



# EDIH Network - data analytics

## Working Group on Digital Health

This programmatically generated report<sup>1</sup> lists the basic information of each of the 26 European Digital Innovation Hub (EDIH) and Seal of Excellence (SoE) that have volunteered to be members of the EDIH Network - Working Group on Digital Health<sup>2</sup>. The list includes the description, contact persons, some statistics, data analytics and link to the webpage that contains the full contact information of each hub.

The number of EDIHs, DIHs and SoEs in Nordic and Baltic countries are presented in Fig. 1.

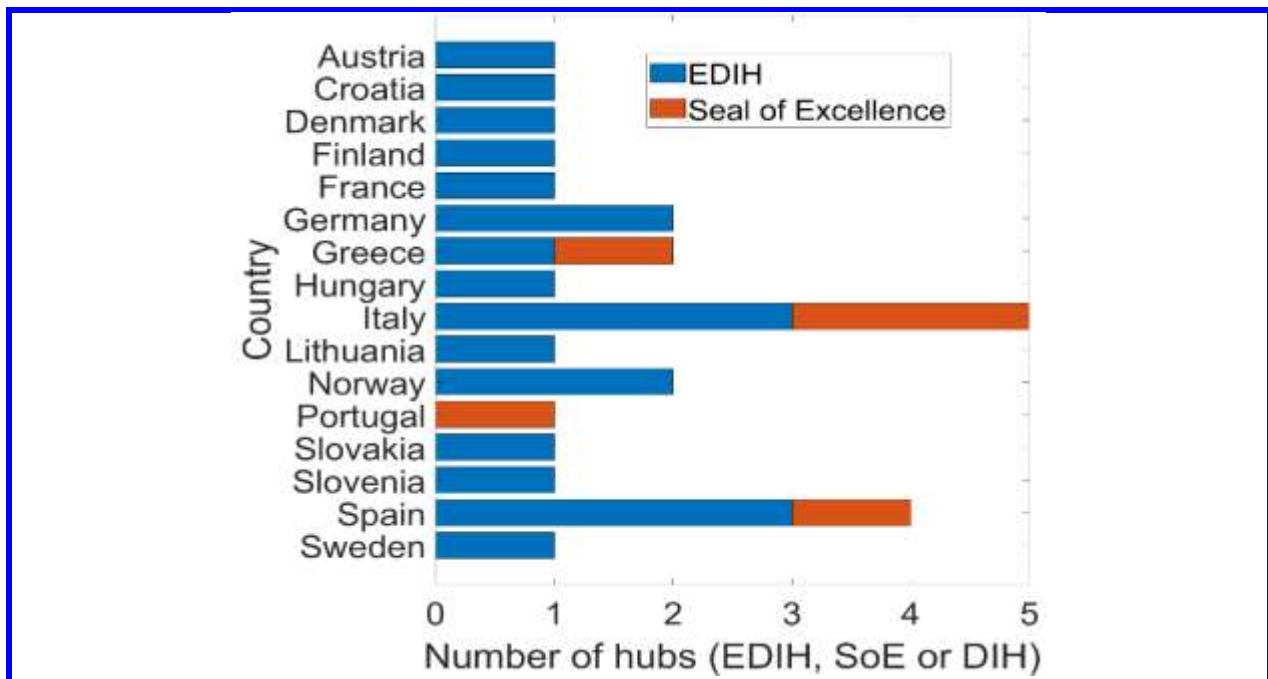


Fig. 1 Number of hubs (EDIH, SoE and DIH) in Nordic and Baltics countries.

<sup>1</sup> Search engine and report generator, experimental version, primarily for EC internal use, despite best effort inaccuracies may exist. Source: publicly available data provided by the Digital Transformation Accelerator (DTA) in Excel format on page <https://european-digital-innovation-hubs.ec.europa.eu/edih-catalogue>

<sup>2</sup> See communication platforms for different purposes: a) <https://futurium.ec.europa.eu/en/edih-network-working-group-digital-health>, b) LinkedIn page 'EDIH Health', c) General information of all thematic working groups on main EDIH site <https://european-digital-innovation-hubs.ec.europa.eu/knowledge-hub/thematic-groups/>



The Number of hubs per health-related keywords: {Healthcare}, {Life Sciences}, {aging}, {pharma} and {well-being} indicate the level of relevance and the center of gravity of the activities in this robust classification and is presented in Fig 2. The optional keyword {Smart City} was taken on-board that might relate to technology solutions in the city for elderly citizens. Fig 2. is intended to help strengthening the connectivity by identifying hubs that self-declared their centres of gravities (i.e. weighting factors of the keywords).

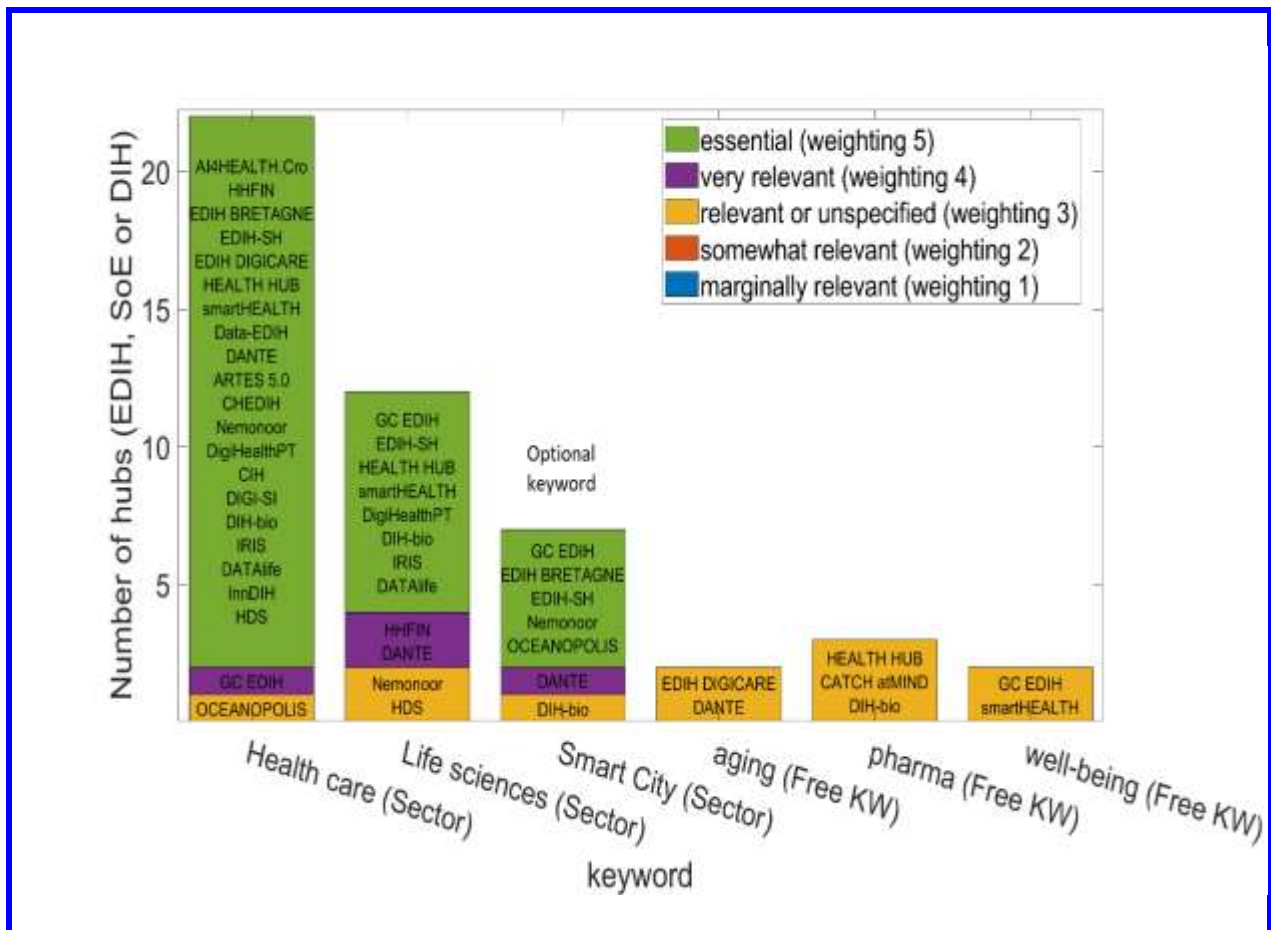


Fig. 2 Number of hubs (EDIH, SoE) per health-related keywords: {Healthcare}, {Life Sciences}, {aging}, {pharma} and {well-being} complemented by an optional keyword {Smart City} and the names of the hubs as labels indicating the self-declared level of relevance.



## Methodology applied for the analysis

The recently added self-declared relevance weighting factors by the EDIHs and SoEs are included in the analysis to highlight the center of gravity (or the absence of it) of each hub when data was available. This helps also identifying visually the details of the profiles of the hubs.

The data analytics of this programmatically generated report is based on EDIH specific OECD taxonomy given by the EDIHs in the proposal phase that are gradually updated in the publicly available EDIH catalogue. The following algebra is chosen to support i) rough classification/filtering based on user defined Boolean logic<sup>3</sup> and ii) relevance ranking of the selected hubs for improved classification purposes using a simple cosine similarity methodology<sup>4</sup> to deduct an indicative relevance index. It is a metric that indicates the extent to which end users are finding what they are looking for (the higher the value, the better).

The purpose of the data driven indicative relevance index is simply to sort the selected hubs and matches of the search keyword profile against their weighted counterpart in the hub profile for classification and quantification purposes only.

## Remarks

- While the match between the text in the abstracts and the search keywords are broadly coherent, in some cases the consistency is less evident e.g., the scope might be very broad diluting the focus, and the hub may state keywords that do not appear in the text and vice versa. Therefore, to understand more reliably the content it is advised to read the information under the links of the hubs, and if appropriate contact the coordinator directly.
- Some data is still missing in the catalogue.
- The relevance index provides information of the classification and quantification of the hubs in the context of the user defined search profile but **not** of the quality of the hub activities nor the level of digital maturity.
- The selected robust OECD keywords and free keywords could be complemented later by other taxonomies (such as NACE or CPC) that are better known by the SMEs but out of the scope of the current approach of the catalogue data. The OECD taxonomy was mandatory in the proposal submission phase and for simplicity it is still applied here.
- This report complements the results of the search engine equipped with standard Boolean filtering only and available on the DTA page.
- More complex searches are supported by the experimental tool used for this report (e.g. for cross-cutting cases) but marginally applied in this case.
- The Digital Transformation Accelerator (DTA) oversees the data base.

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<sup>3</sup> Boolean logic, see e.g., [https://en.wikipedia.org/wiki/Boolean\\_algebra](https://en.wikipedia.org/wiki/Boolean_algebra)

<sup>4</sup> Cosine Similarity, see e.g., [https://en.wikipedia.org/wiki/Cosine\\_similarity](https://en.wikipedia.org/wiki/Cosine_similarity)



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Annex 1 lists the hubs by country while Annex 2 contains the descriptions and visualisation of the keyword profile of each hub.

Further communication (e.g. requests for updates) should take place through the DTA portal <https://european-digital-innovation-hubs.ec.europa.eu/about-us> or by sending an email to [support@edihnetwork.eu](mailto:support@edihnetwork.eu).

The reader is free to provide comments to the described methodology or other observations to this ad-hoc report prepared in connection with the Webinar - State of play EDIH Network 14<sup>th</sup> December 2023.

Jaakko Aarnio

Brussels, 13<sup>th</sup> November 2023

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### Annex 1:

## **Annex 1:** List of 26 EDIHs and SoEs as members of the Working Group on Digital Health

Crowd in Motion (EDIH), Austria  
AI4HEALTH.Cro (EDIH), Croatia  
GC EDIH (EDIH), Denmark  
HHFIN (EDIH), Finland  
EDIH BRETAGNE (EDIH), France  
EDIH-SH (EDIH), Germany  
EDIH DIGICARE (EDIH), Germany  
HEALTH HUB (Seal of Excellence), Greece  
smartHEALTH (EDIH), Greece  
Data-EDIH (EDIH), Hungary  
CATCH atMIND (Seal of Excellence), Italy  
DANTE (EDIH), Italy  
ARTES 5.0 (EDIH), Italy  
CHEDIH (EDIH), Italy  
PICS2 (Seal of Excellence), Italy  
EDIH VILNIUS (EDIH), Lithuania  
Nemonoor (EDIH), Norway  
OCEANOPOLIS (EDIH), Norway  
DigiHealthPT (Seal of Excellence), Portugal  
CIH (EDIH), Slovakia  
DIGI-SI (EDIH), Slovenia  
DIH-bio (Seal of Excellence), Spain  
IRIS (EDIH), Spain  
DATAlife (EDIH), Spain  
InnDIH (EDIH), Spain  
HDS (EDIH), Sweden



**Annex 2:** List of 26 EDIHs and SoEs as members of the Working Group on Digital Health containing the descriptions and visualisation of the keyword profiles of each hub. The hubs are sorted by country and then by the inductive relevance index in relation to the search profile.

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## **Crowd in Motion (EDIH)**

### **Hub Information**

#### **EDIH Title**

EDIH for crowd technology and AI for motion data analytics: Use of Internet of Things, FabLabs and access to finance for the green and digital transformation of the alpine tourism and sports industry

#### **Short summary (abstract)**

Crowd in Motion is an EDIH aiming to accelerate the use of crowd technology and AI for motion data analytics through Internet of Things (IoT), FabLabs and access to finance for the green and digital transformation of the alpine tourism and sports industry. It effectively meets the needs of digital transformation in these sectors, e.g. lack of SME capacity, technology-strategic and operational issues and difficulties of digitalisation (cf. EC study on digitalisation in tourism 2018). Crowd in Motion contributes to the EU twin green and digital transition approach explored with the help of the innovative power of startups, SMEs and creative citizens. Based on a bottom up innovation approach, it uses crowd intelligence to identify citizen and customer needs and future market potential. Crowd in Motion's broad portfolio comprises 68 digital innovation services focusing on SMEs' individual training requirements and digital innovation maturity. The EDIH provides five regional experimentation facilities in digital fabrication and IoT labs (data sandboxes) in order to develop and test the added value of data based solutions for sustainable tourism. It offers access to finance for SMEs by leveraging private funds e.g. through crowdfunding support, matching initiatives with green public investments and innovative public procurement. The Crowd in Motion consortium is composed of 7 complementary partners and 45 committed national and European networks and experts.

### **Coordinator information**

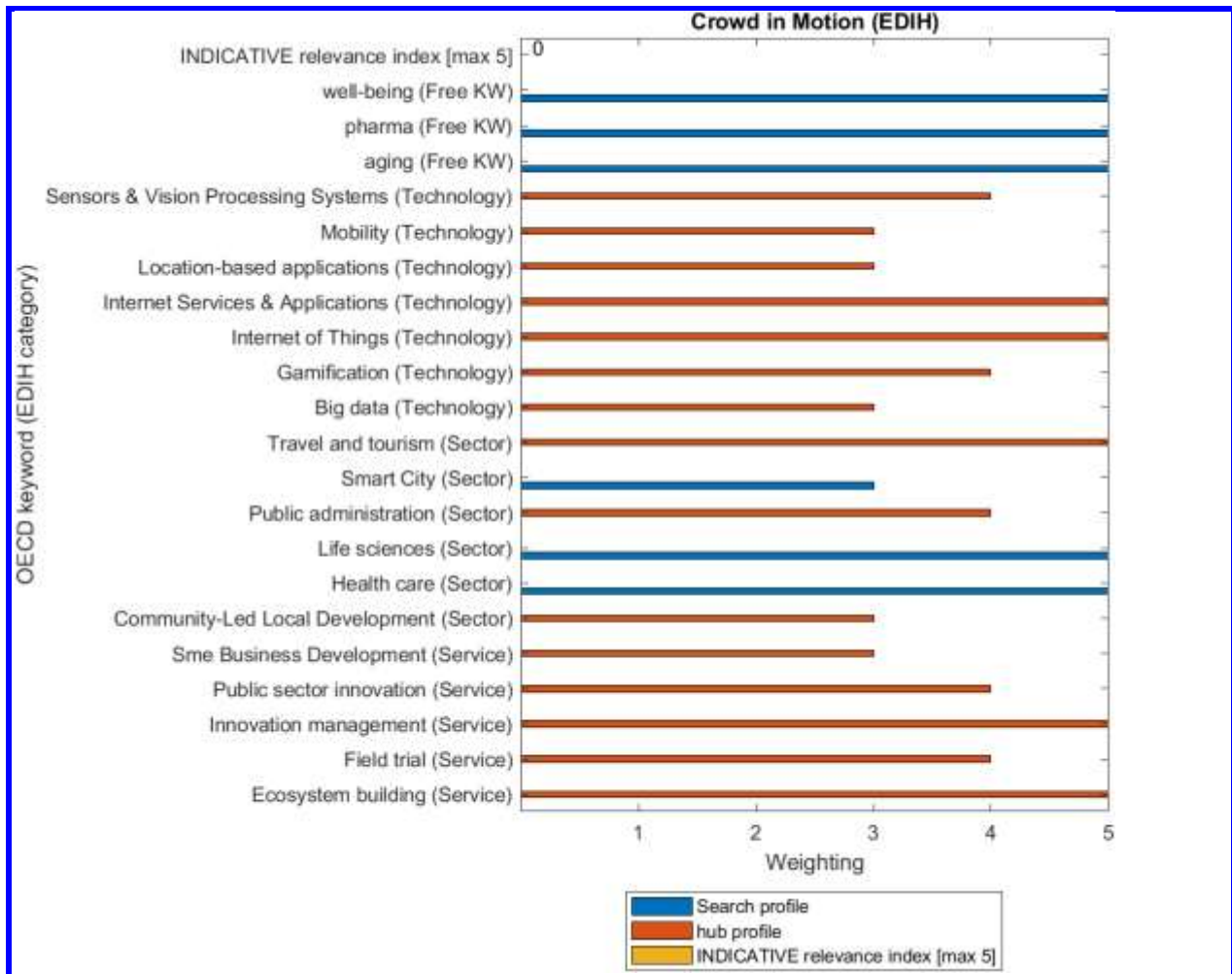
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### Statistical analysis of EDIH services, Sectors and Technologies in OECD taxonomy against search profile





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## **AI4HEALTH.Cro (EDIH)**

### **Hub Information**

#### **EDIH Title**

Artificial Intelligence for Smart Healthcare and Medicine

#### **Short summary (abstract)**

Croatian healthcare system is faced with the lack of access to smart digital solutions for health data management and AI-based support for informed decision-making, as well as a shortage of digitally empowered medical staff capable of using AI-based digital health solutions. To address this gap, AI4Health.Cro will offer a comprehensive support to businesses and public entities with advanced AI-based services and technologies, addressing the current needs of the healthcare and public health systems for digital transformation. Specifically, AI4Health.Cro will offer services related to (i) digital health innovation development, (ii) testing of AI-based solutions and standards in strategic topics in digital healthcare, (iii) providing education in AI and HPC for healthcare and medicine, as well as in business and innovation skills. Furthermore, through networking, AI4Health.Cro will actively collaborate with other EDIHs, relevant networks, initiatives and other stakeholders to facilitate digital transformation of healthcare system and organizations, SMEs and small mid-caps, through digital skills training and improved access to advanced digital services, ensuring the needed support throughout the EU. In this way, AI4Health.Cro will play a brokering role between health organizations and companies to develop and uptake AI-based digital health solutions. This role is further supported by the Digital Transformation Accelerator (DTA) for matchmaking, training and capacity building.

#### **Coordinator information**

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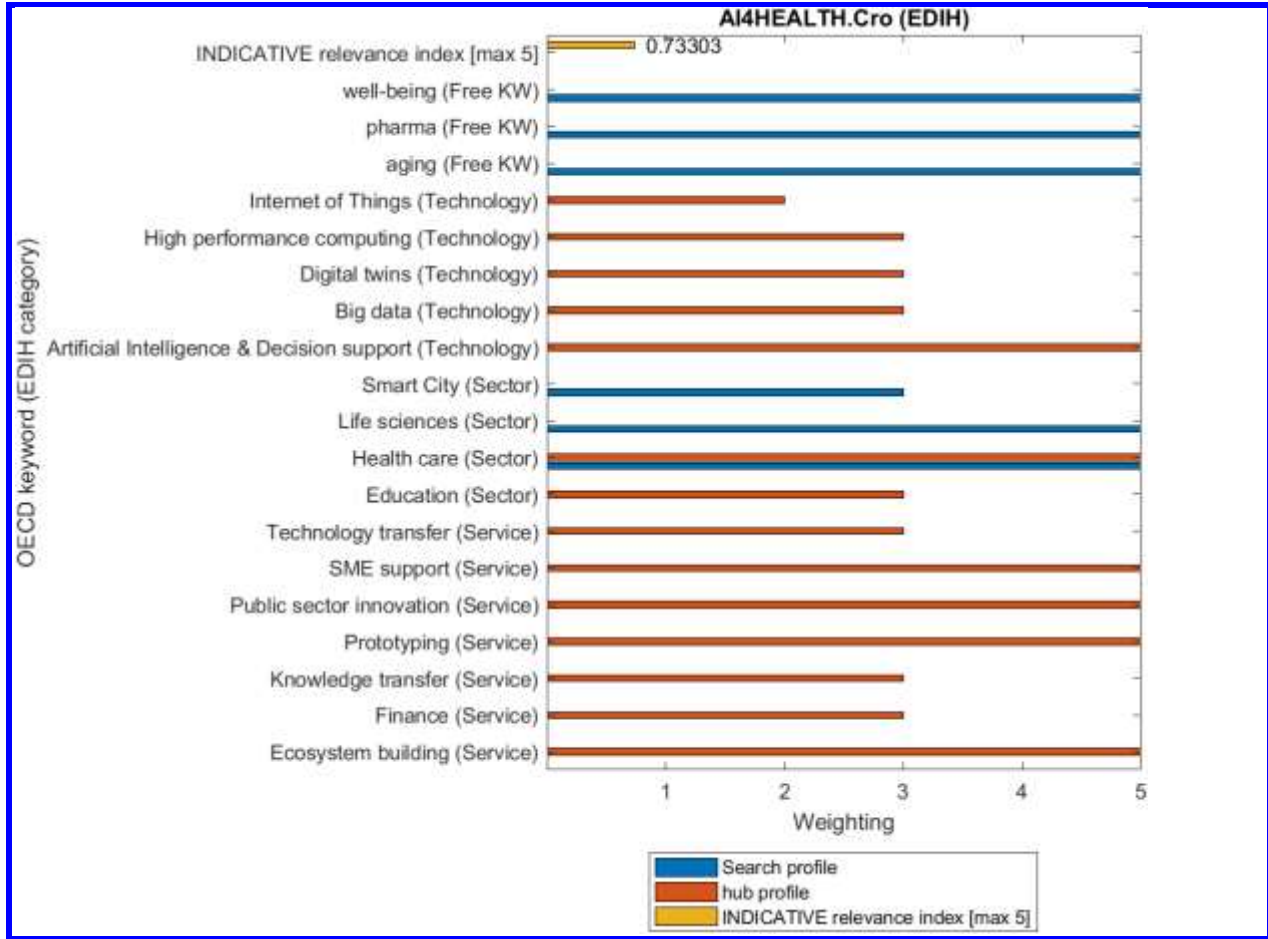
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## **GC EDIH (EDIH)**

### **Hub Information**

#### **EDIH Title**

Greater Copenhagen European Digital Innovation Hub

#### **Short summary (abstract)**

The Greater Copenhagen European Digital Innovation Hub (GC EDIH) supports the dual purpose of 1) establishing an EDIH specialising in life science, health tech and built environment within a European EDIH network and 2) enabling digital transformation and innovation in SMEs within computing continuum and artificial intelligence. The GC EDIH has a total budget of 3.1 M EUR, corresponding to 1.5 M EUR of EU requested funding, and a total of national co-funding of 1.7 M EUR. The ambition of the GC EDIH is to improve the quality of life for people in Greater Copenhagen and beyond by pushing advanced digital technologies into SMEs. The implementation of AI and computing continuum holds great promise for improving the general health and well-being of society. The technologies will impact a wide range of applications e.g., administration, logistics, prevention, diagnosis, treatment, and monitoring. The primary target group is SMEs within the life science, health tech, and built environment, and SMEs that develop solutions to these areas. The secondary target group consists of the downstream and upstream value chains of the SMEs. The GC EDIH will support their digital transformation by strengthening awareness, skills, and competencies, and providing access to networks, end-users, funding, and testing facilities. Impact is measured through the following KPIs: KPI1: 160 SMEs have participated in 1 or more GC EDIH activities within the project period KPI2: GC EDIH have collaborated with at least 18 EDIHs and other stakeholders at national and European level KPI3: 21 million EUR have been triggered in additional funding or investments for SMEs KPI4: 90 SMEs have increased their digital maturity level KPI5: 45 SMEs will have developed new innovations The GC EDIH consortium which builds upon well-established structures in the Danish business development and innovation ecosystem consists of 10 partners: 2 regional business hubs, 2 clusters, 4 universities, and 2 RTOs.

#### **Coordinator information**

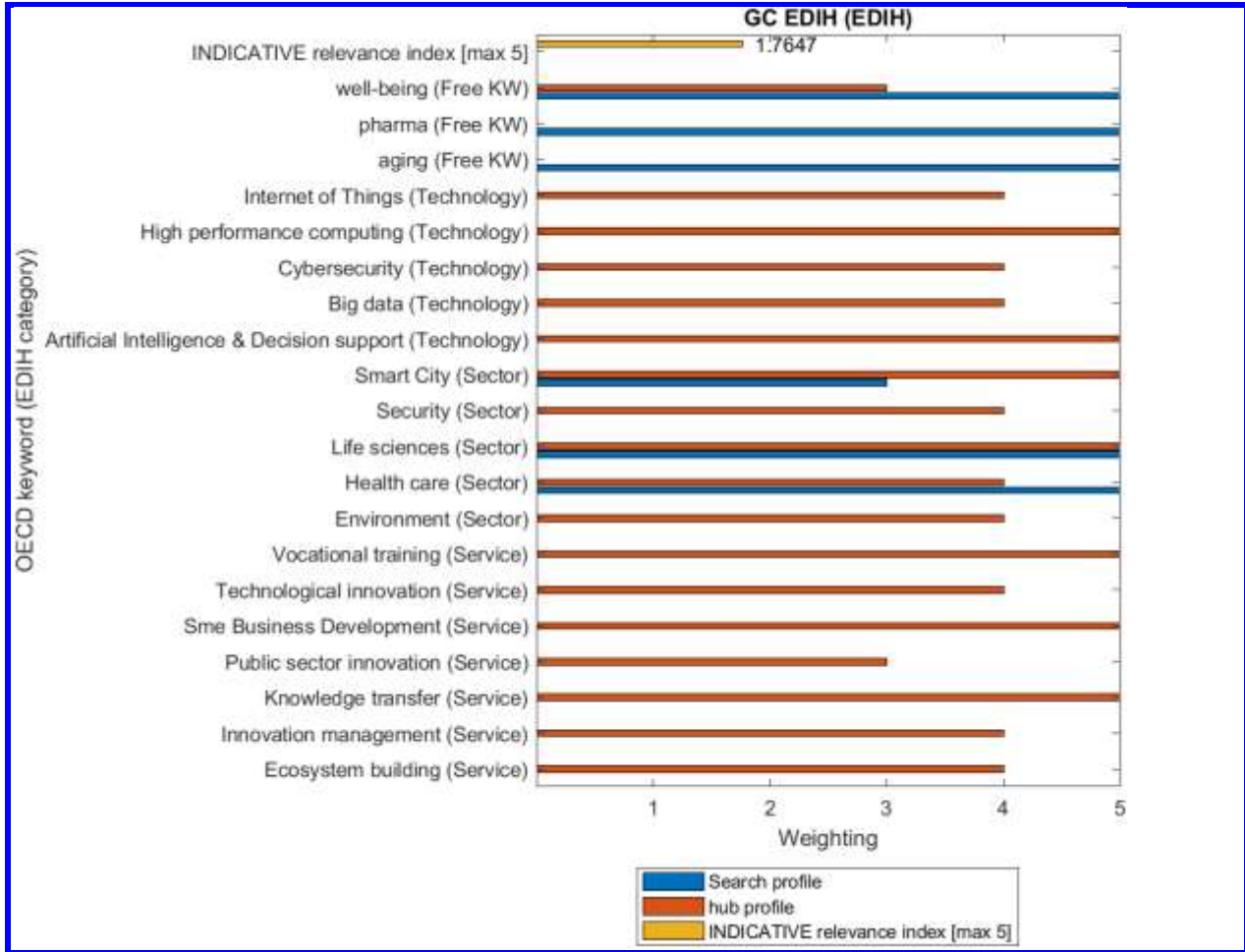
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## **HHFIN (EDIH)**

### **Hub Information**

#### **EDIH Title**

HealthHub Finland - the future of Healthcare shaped by a Hub of partners facilitating data-driven digital solutions in Finland and Europe

#### **Short summary (abstract)**

Your partner in digital healthcare solutions HealthHub Finland is a one-stop-shop for the development of digital solutions for health and wellbeing, and a gateway to Finnish health and wellbeing data. For SMEs and public sector organisations across the European Union, we offer subsidised or free test-before-invest and innovation services, financing advice, training and skills development. With our tailored service packages created by our industry experts, we enable you to turn your vision into reality. We are a national non-profit public-private consortium that brings together experts and resources from Finland's most prominent health ecosystems in the cities of Turku, Oulu, Tampere, Kuopio and Kajaani and the national Finnish Biobanks – FINBB cooperative.

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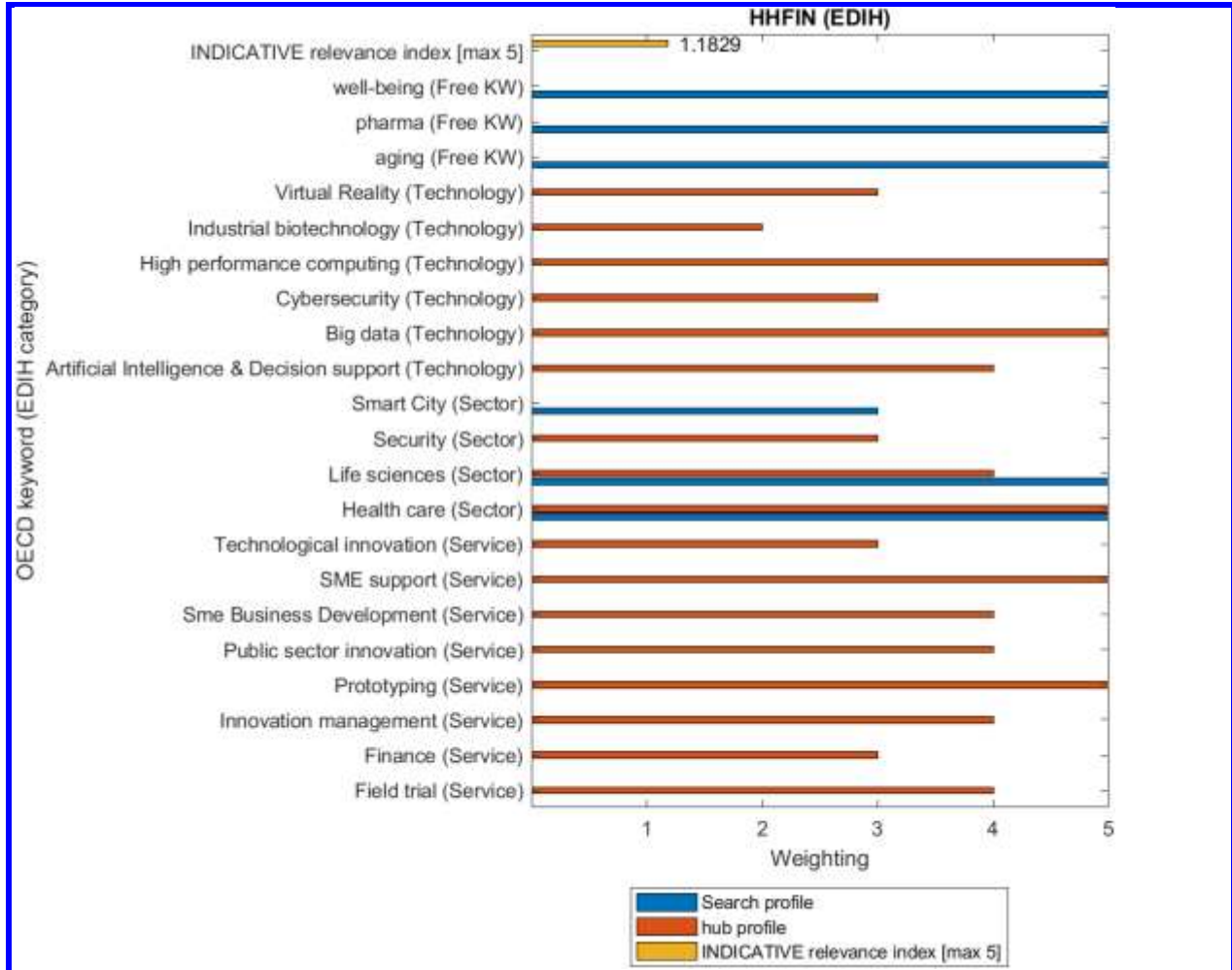
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## **EDIH BRETAGNE (EDIH)**

### **Hub Information**

#### **EDIH Title**

EDIH Bretagne - One-stop shop to accelerate the digitization and Cybersecurity of SMEs/MCs/PSOs through training, test before invest, support to find investment and EU networking services

#### **Short summary (abstract)**

EDIH Bretagne is a one-stop shop to accelerate the digitization and Cybersecurity of SMEs/MCs/PSOs having innovation at the heart of its value proposition, and working in the key sectors of S3 of the Brittany Region: digital society, maritime, health, industrial applications and agri-food, through training, test before invest, support to find investment and EU networking services. It aims to boost regional R&D&I to increase the competitiveness of regional players by offering them new tools and the support they need. For companies (mainly SMEs), this means ensuring their digital transformation by offering them a set of individual services that are part of a journey that begins with a maturity assessment and a digital diagnosis (including Cyber and/or AI) followed by an action plan, according to their needs. The services will be provided on an open, transparent and non-discriminatory basis. The project targets SMEs (>10 employees) as a priority, MCs (

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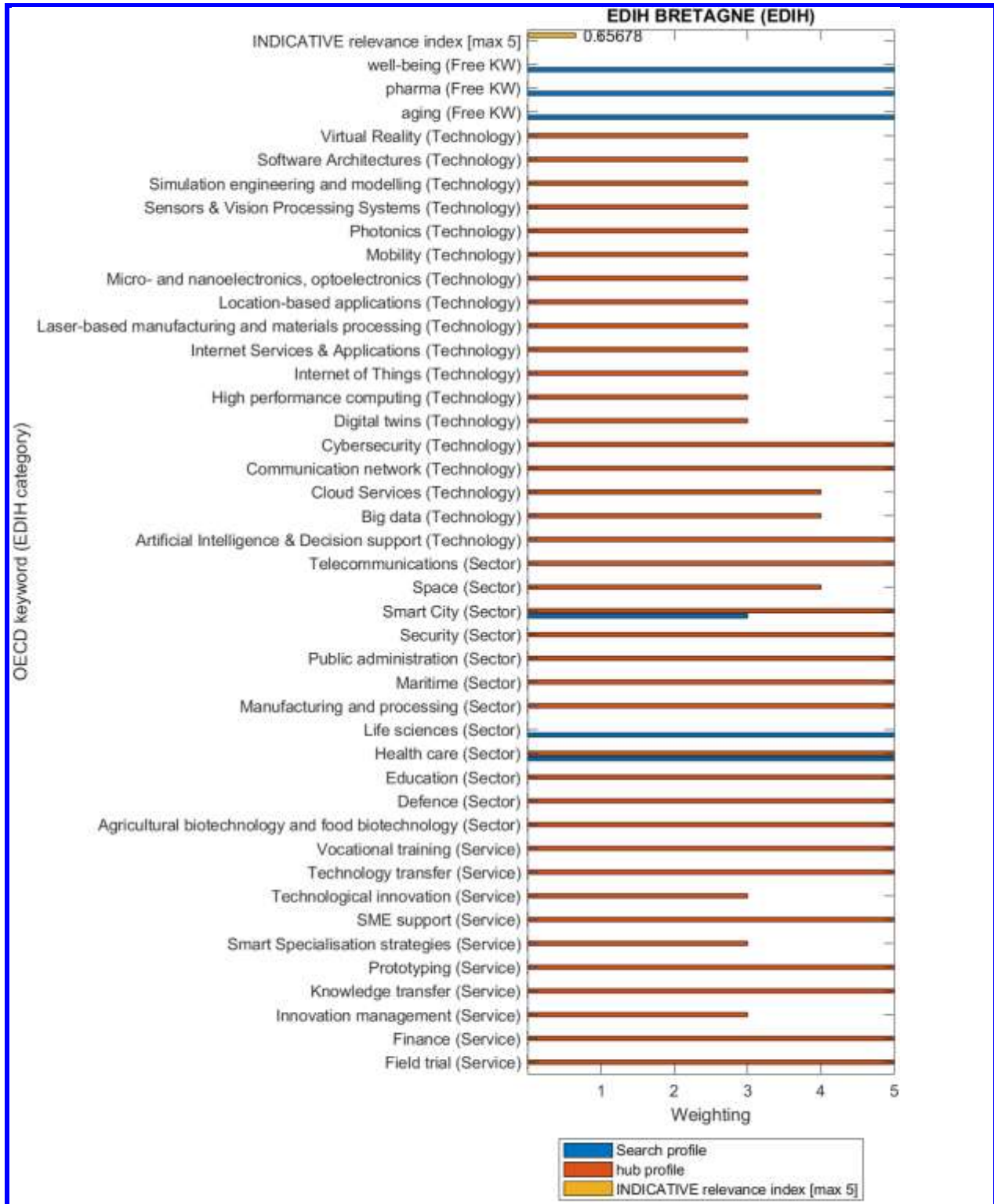
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## **EDIH-SH (EDIH)**

### **Hub Information**

#### **EDIH Title**

European Digital Innovation Hub Schleswig-Holstein

#### **Short summary (abstract)**

The European Digital Innovation Hub Schleswig-Holstein (EDIH-SH) aims to increase sustainability by creating new or novel digital solutions at process and product level using digital innovation. Economic, ecological and social aspects must be taken into account to be able to systematically evaluate those possible gains and implement them. Digital innovations will be created here through the interaction of a wide range of players from business, government and other relevant stakeholders. Key areas of focus are artificial intelligence (AI), high-performance computing (HPC), cybersecurity, Internet of Things (IoT), sensor technology, interoperability and deeper digitalisation. The co-creation based approach is an interactive and reflexive process in which a range of possibilities in those key areas are explored and translated into concrete innovation projects. The EDIH-SH will accompany the process from the generation of innovation potentials and ideas, examination of those ideas for economic and technical feasibility, to the creation of technical implementation concepts and the first prototypical implementation. The EDIH-SH offers funding and financing possibilities and individual consulting as the implementation of innovative ideas in new products, processes and services requires a high financial effort. With its free services, the EDIH-SH focuses on small and medium-sized enterprises as well as public administration organisations from the maritime and life science sectors, which are particularly significant for Schleswig-Holstein. The digital platforms established as part of the EDIH-SH ensure the efficient collaboration of all stakeholders in joint R&D activities, idea generation and projects. The focus is always on enabling or shaping the successful transfer of expert knowledge into real value creation. A consortium of universities and the IB.SH will pool their expertise and resources to drive innovation in Schleswig-Holstein.

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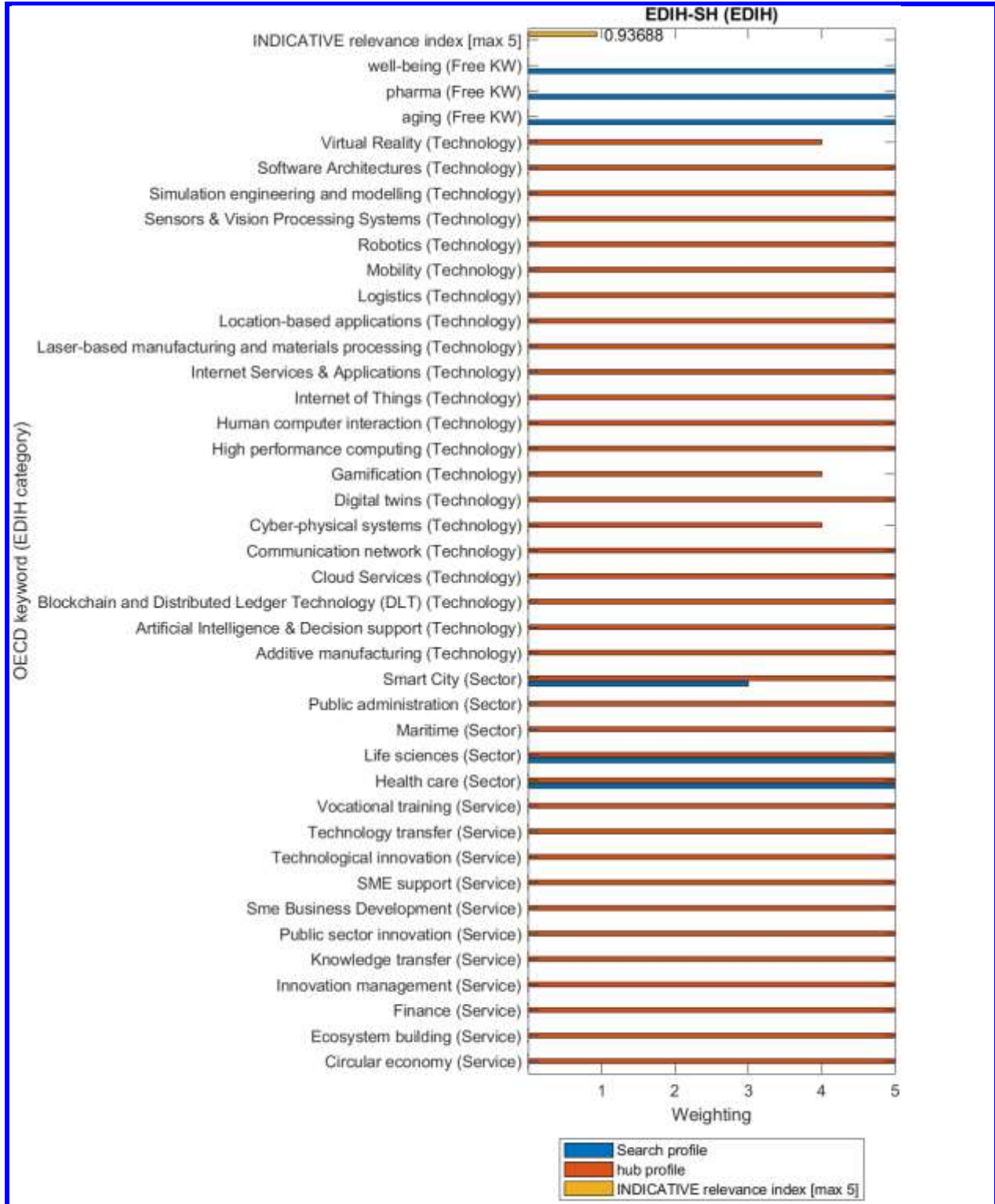
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## **EDIH DIGICARE (EDIH)**

### **Hub Information**

#### **EDIH Title**

EDIH Digital Innovation for Healthcare (DIGICARE)

#### **Short summary (abstract)**

The main objective of the EDIH DigiCare is to create one of the central service hubs in Europe for digitalization with the focus on healthcare. All its services and values will primarily support two target groups: SMEs in the healthcare sector and healthcare providers. DigiCare aims to decrease time to market for products that foster innovation through digitalization and match these solutions to the needs of patients and healthcare providers through our services. To help digital products and services to get faster on the market we will support the SMEs from the idea, throughout funding, business model generation, development, testing and evaluation, implementation, certification to market access and product life cycle. By faster delivering new healthcare products and services matched with the needs of our healthcare system, economic situation, growing and aging population and technological development, we can assure better and greener healthcare services for the public domain, faster and cost-effective solutions for the healthcare providers and the patients. Within the four sectors testing before investing, support to find investment, training and skills development, and networking and access to innovation ecosystems several support solutions that are regionally already available will be scaled to EU wide access by the consortium. This includes services for an EU wide mass access e.g. community platforms and digital training as well as matchmaking platforms with large educational programs with digital packages as well as individual coaching, open innovation challenges and real-world lab assessments. The region of Erlangen-Nuremberg (Mittelfranken/Middle Franconia) is perfectly suited for the role of a hub for digitalization in healthcare as it is one of the leading spots for innovation according to the European Innovation Scoreboard. Especially its renowned industry, university, science, and healthcare providers have a leading position in innovation in healthcare.

#### **Coordinator information**

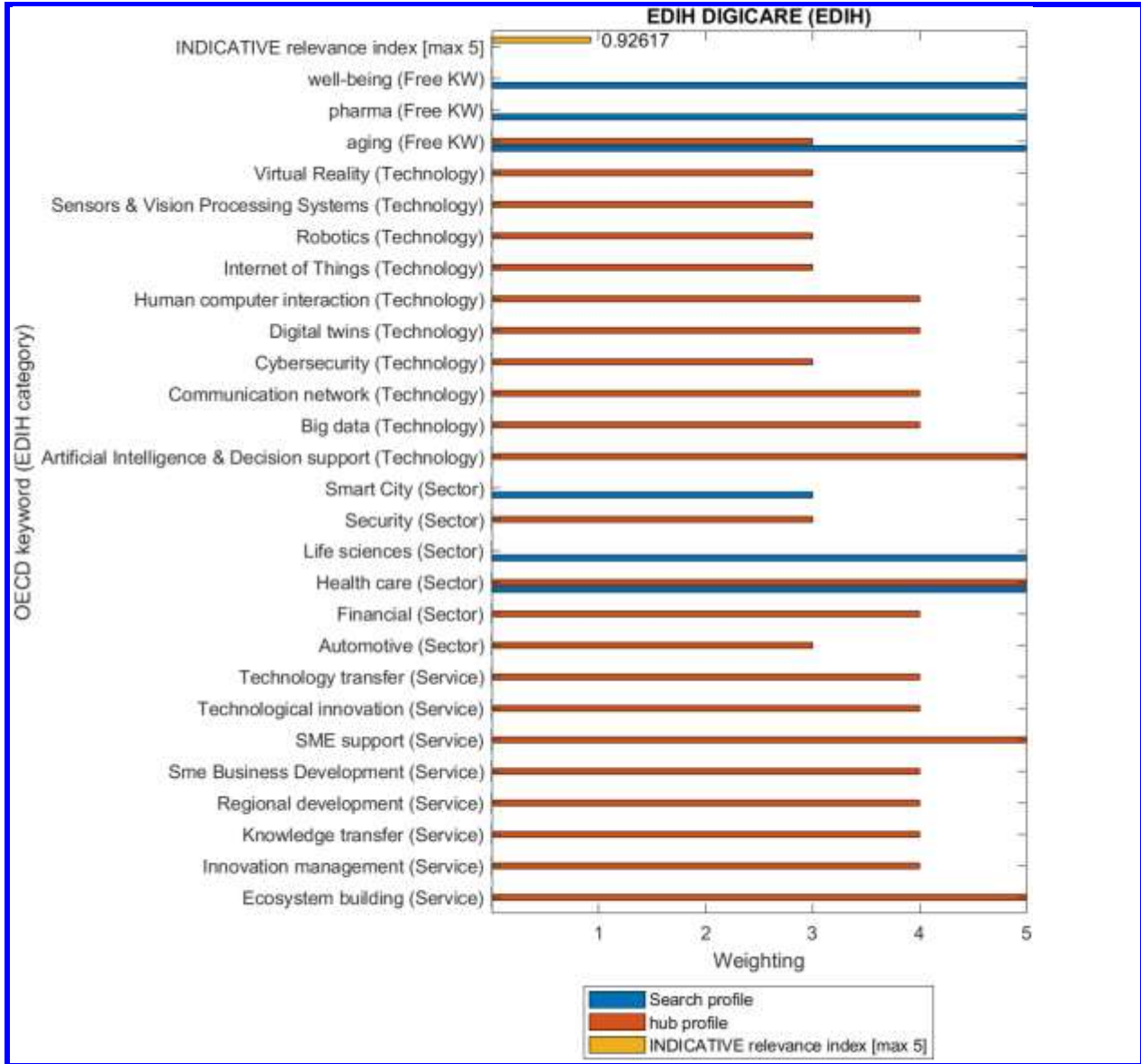
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## **HEALTH HUB (Seal of Excellence)**

### **Hub Information**

#### **EDIH Title**

HEALTH HUB - Healthcare & Pharmaceutical Industry Transformation through Artificial Intelligence Digital Services

#### **Short summary (abstract)**

Sustainable digital societies are key in ensuring the long-term competitiveness of the EU economy. Digital solutions which focus on people and provide innovative opportunities for companies, social and democratic development are needed to secure digital and green transition of the EU. Digital transformation is the only way for healthcare systems to become more citizen-friendly while simultaneously changing their operations, culture, and use of technology. Greece's digital transformation performance has been improved but remains well below the EU average (ranked 27 out of 28). The majority of companies surveyed (by Foundation and EIT Digital) recognize the importance of digital transformation, as 90.2% have either initiated or intend to activate a digital transformation roadmap immediately. The candidate Health Hub aspires to lead the digital transformation of Greek SMEs, MidCaps, Public Sector Organisations. "Health Hub: Healthcare & Pharmaceutical Industry Transformation through Artificial Intelligence Digital Services" is a candidate EDIH based in Thessaly region. It represents a collaboration of 3 public bodies, 6 universities, 4 research institutions and organizations, 2 technology organizations, 3 healthcare providers and 6 business support organizations. In addition to Thessaly, Health Hub will also have antennas in 6 regions across Greece: Ionian Islands, Aegean, Western Greece, Attica, Central Macedonia and Crete, through which it will deliver digital transformation services to SMEs and public organizations of the health and pharma sector using AI technologies. Health Hub guarantees that health companies and public administration have access to know-how, training, technologies, infrastructure, and laboratories to improve and accelerate their digitalization. Health Hub will reach out to more than 2,000 beneficiaries and support the digital transformation of at least 160 by providing a complete set of services.

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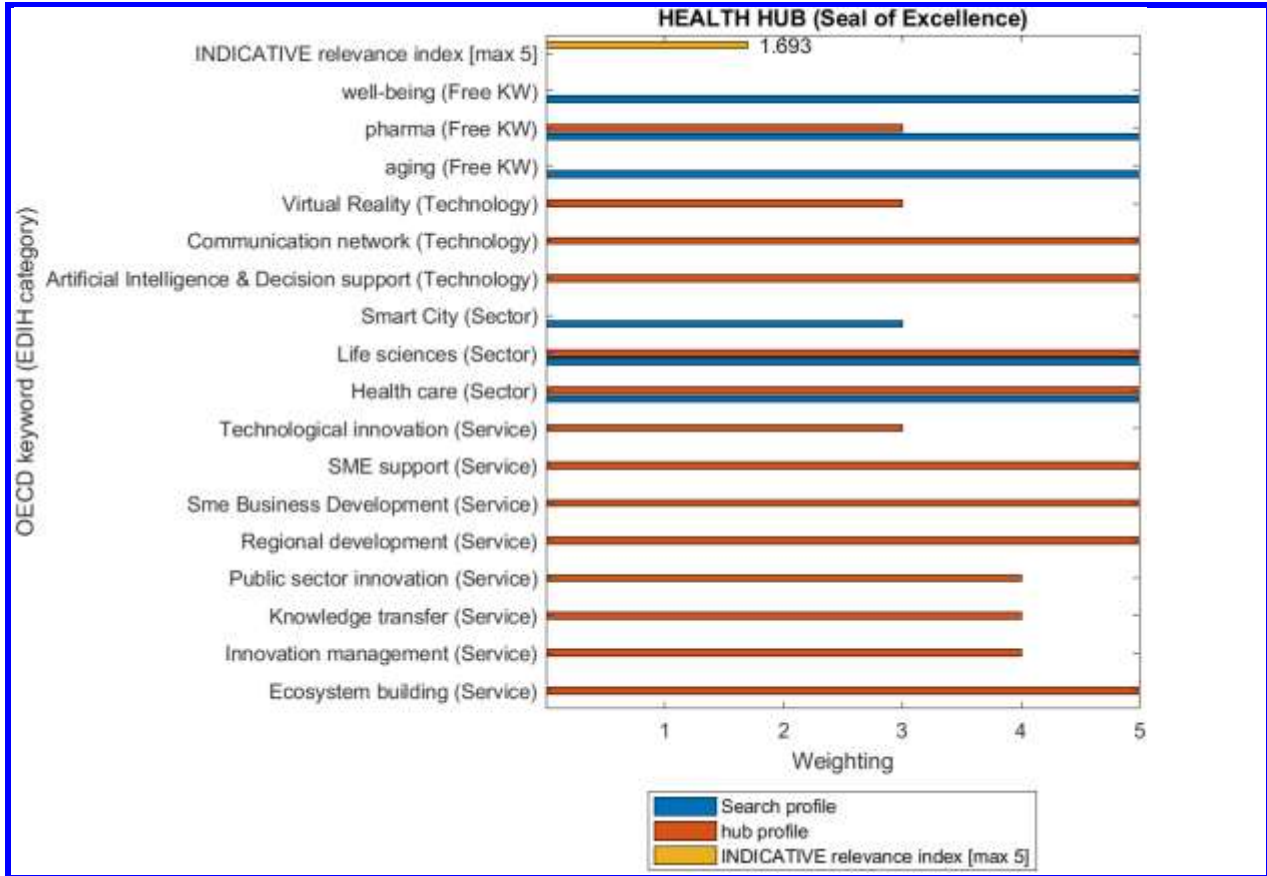
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## **smartHEALTH (EDIH)**

### **Hub Information**

#### **EDIH Title**

European Digital Innovation Hub for Smart Health: Precision Medicine and Innovative E-health Services

#### **Short summary (abstract)**

The European Digital Innovation Hub on Precision Medicine and Innovative E-health Services (smartHEALTH) brings together internationally leading expertise in the areas of Artificial Intelligence, Cybersecurity, and High Performance Computing, to assist digital transformation and foster innovation in digital health. Its flagship service areas are precision medicine, cancer, and public sector digital transformation. smartHEALTH is in alignment with the vision for Europe's digital transformation by 2030, by supporting the four pillars of Europe's Digital Compass: i) Skills, ii) Digital transformation of businesses, iii) digitalisation of public services and iv) secure and performance sustainable digital infrastructures, and The Global Action Plan for Healthy Lives and Well-being for All. Based in Crete, it has nodes in 8 of the 13 regions in Greece, that have been strategically selected as they exhibit major economic & entrepreneurial activity in digital health, and the largest part of the public sector. smartHEALTH offers an integrated set of: i) test before invest services to clients from the private and public sectors, ii) advanced digital skills development to the healthcare ecosystem, iii) support to find investments by triggering additional investments of €30M to SMEs and public organizations through public and private sources, and iv) ecosystem building and networking to create new collaborations between industry, academia, research, public sector & civil society. Specialized expertise for digital transformation will be offered in precision medicine, biomedical informatics, diagnostic imaging, telehealth, administrative automation & digitization, integrated healthcare, personalized care delivery, social care and welfare management. Within the wider EDIH network, smartHEALTH fosters collaborations and networking to offer clients access to innovation and outreach beyond the national borders.

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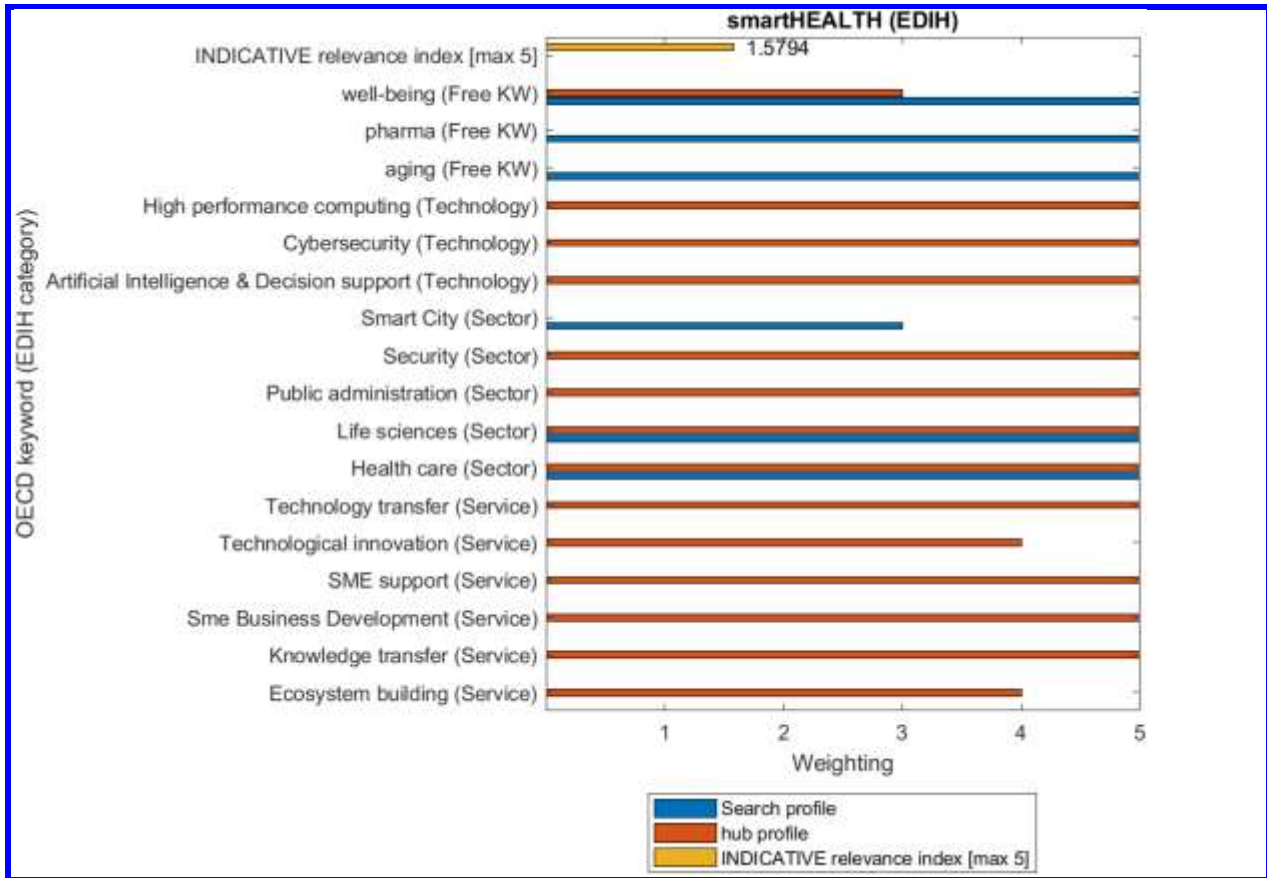
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## **Data-EDIH (EDIH)**

### **Hub Information**

#### **EDIH Title**

Hungarian DATA EDIH

#### **Short summary (abstract)**

The Hungarian DATA EDIH will actively facilitate the digital transformation of the SMEs, small mid-caps, and public sector organisations in Hungary, with a general focus on data-related services and industrial focus on the health industry. The DATA EDIH consortium represents high academic and practical technical/business development competence, wide domestic and international network and mature EU grant and PM experience. The most challenging DESI dimensions for Hungary remain the Integration of digital technology and digital public services, where attitude, mindset and competence obstacles occur besides financial ones. DATA EDIH will provide trainings, technical and financial services on both catching up and advanced levels. The activity of DATA EDIH will be built on existing elements of innovation ecosystem, so the interconnectivity and coordination of the system elements with the other EDIHs in Hungary creates a mature and cost-effective status to implement the planned project.

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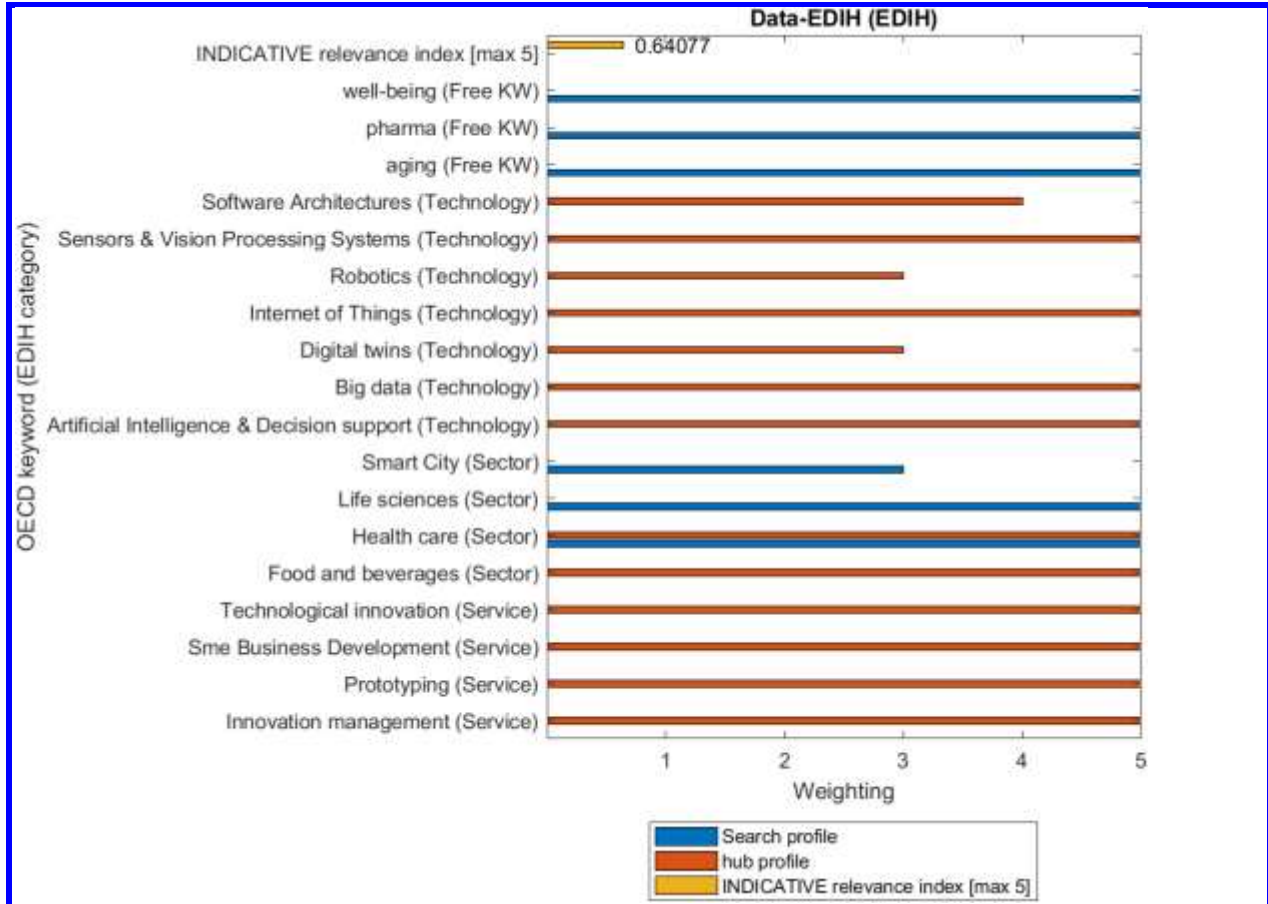
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**Digital Transformation of Industrial Ecosystems**





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## **CATCH atMIND (Seal of Excellence)**

### **Hub Information**

#### **EDIH Title**

advanCed digitAI TeChnology Hub for the Life Sciences at MIND

#### **Short summary (abstract)**

The CATCH atMIND proposal for an European Digital Innovation Hub in the digital health domain relies on the experience of top academic and industrial partners in Italy's healthcare industry core, the Region of Lombardy. It is based on the notion that building the digital health ecosystem of the future is a journey whose starting point is data. CATCH atMIND will deliver a portfolio of services based on bio-data secure collection and in silico analytics via AI-ML models, providing novel insight and generating business value for the Italian and European healthcare ecosystems. It will supply, in a realistic though virtualized context, digital services that will support product and service innovation in the whole healthcare business ecosystem. CATCH atMIND test-before-investing services span the entire healthcare domain, supporting experiential training and business development across the ecosystem and facilitating access to funding for new entrepreneurial initiatives. Through its business development and access to funding services, CATCH atMIND will help existing companies to grow and increase the success rate of innovative entrepreneurial initiatives in digital health but also to explore new business model and access funding at local and European level. The adoption of the CATCH atMIND service portfolio will spread sound practices for secure biodata management and for the deployment of AI-ML in the pharma and healthcare sectors, profoundly transforming healthcare innovation as well as its operational model and user/patient experience. CATCH atMIND will be an active part of the European network of healthcare hubs, as a founding member of a corridor bringing together like-minded innovation hubs from all Europe.

#### **Coordinator information**

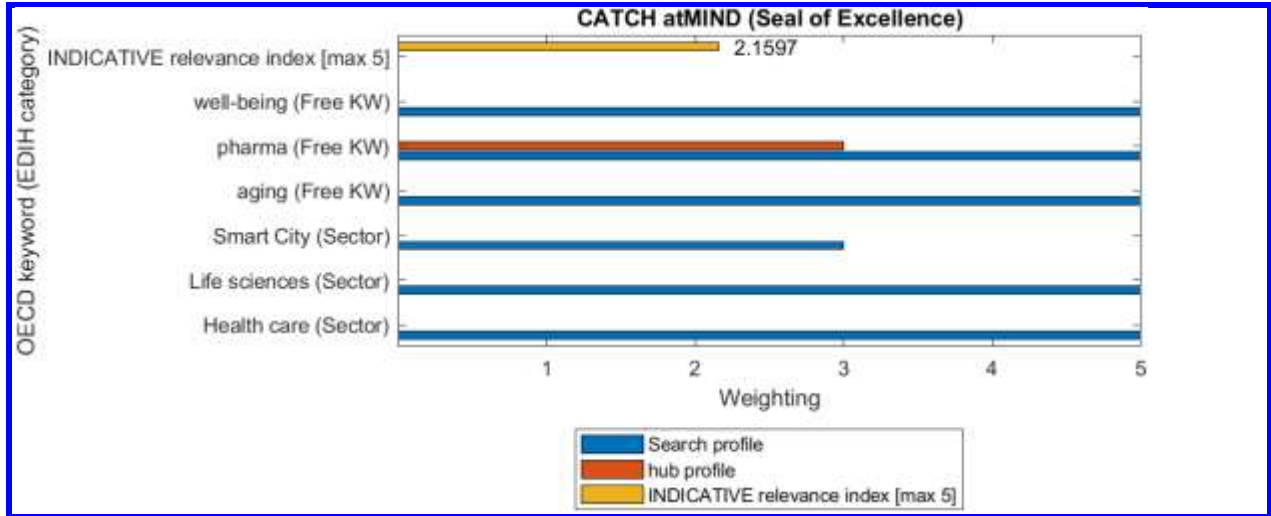
Ernesto DAMIANI

Via festa del perdono 7, 20122 Milano, Italy

<https://european-digital-innovation-hubs.ec.europa.eu/edih-catalogue/CATCH-atMIND>



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## **DANTE (EDIH)**

### **Hub Information**

#### **EDIH Title**

Digital Solutions for a Healthy, Active and Smart Life

#### **Short summary (abstract)**

The actions of DANTE EDIH will be centered on Technologies for Living Environments (Smart Living) and on Technologies for Active & Healthy Aging and for Home Care, with Technological Trajectories transversal to the sectors of intervention: Wellness and Comfort, Inclusion, Assistance, Safety, Health. The convergence between Digital Technologies and Enabling Technologies constitutes the base for the development of systems and services that include sensors (Sensing), components that process data and information (Reasoning), man-machine interfaces (Interacting) and actuators (Acting), components that must communicate with each other (Communicating) to provide the assistance service. The combination of these disciplines opens up new opportunities for the development of autonomous, adaptive and collaborative systems that combine and integrate Robotics, Artificial Intelligence and IoT in an inseparable way. The identified catchment area will be at national territory, covering different regions, in a networked structure that has the objective to interact with many stakeholders, starting from the more than 400 existing members in the National Technological Cluster SMILE and extending it to other public and private entities. The proposal focuses on the application of Artificial Intelligence, Cyber Security and High Performance Computing to the Smart Living and Health and Active Life sectors. The target will consist of stakeholders operating in the different market segments, like: Smart Home, Smart Living Environments, Social Housing, Telemedicine, Remote Monitoring & Assistance, Tele-Care, Mobile Health, Internet of Things, Service-Assistive and Rehabilitation Robots, Big Data for Health, Sensors and Integrated Systems, Wearable Devices. Particularly relevant for DANTE is the theme of the "Silver Economy", understood as the production and dissemination of goods and services for the aging population.

#### **Coordinator information**

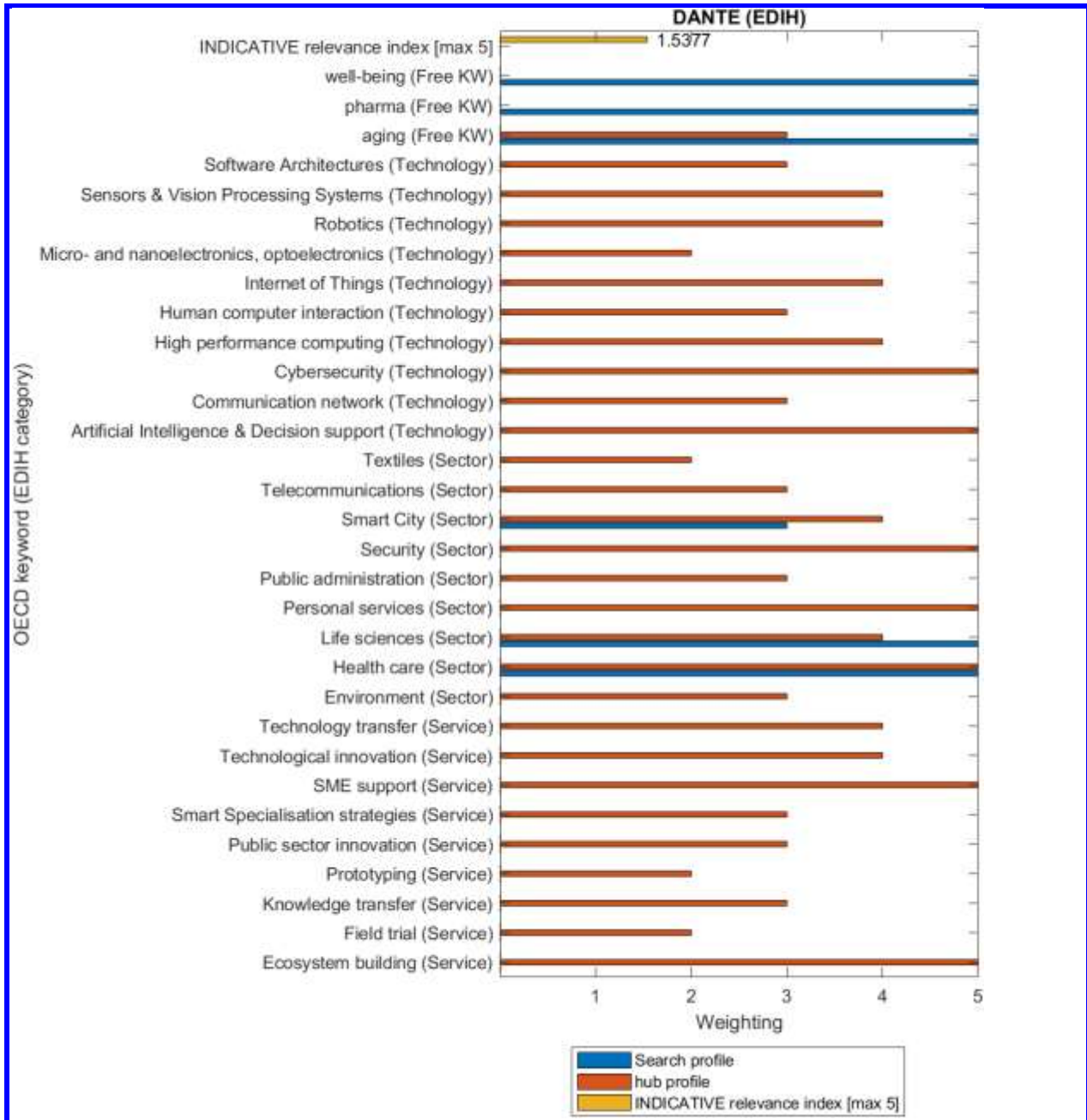
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## **ARTES 5.0 (EDIH)**

### **Hub Information**

#### **EDIH Title**

ARTES 5.0 Restart Italy

#### **Short summary (abstract)**

ARTES 5.0 - Restart Italy aims at a widespread nationwide adoption of digital technologies, with focus on Artificial Intelligence and Robotics, to nurture sustainable, human-centric and resilient value chains in line with the Digital Europe Programme. ARTES 5.0 will operate as a network of hub and spokes of highly qualified aggregations of competences and stakeholders, designed to transfer skills to Micro, Small and Medium Enterprises and to Public Administration. ARTES 5.0 will offer innovation services purposely designed to accelerate digital and ecological transition in different economic sectors such as health and quality of life, sustainable manufacturing, regeneration economy, creative and cultural industry. Special attention will be devoted to the crucial energy sector. ARTES 5.0 will also exploit technology to reduce the number and severity of accidents at work. ARTES 5.0 will be an access point for companies and PA to an interconnected innovation ecosystem of knowledge, skills, and infrastructures of excellence, distributed throughout the Italian territory and connected to several European EDIHs. ARTES 5.0 will offer users training, access to investments for innovation and advanced technical facilities for test-before-invest available in three Competence Centers (ARTES 4.0, MediTech and START 4.0) promoted and co-funded by the Italian government, to be further expanded within Digital Europe. ARTES 5.0 initiatives will be spread to users through a charter of services, designed to make the effects of innovation tangible in real business scenarios, overcoming cultural and geographical barriers. The Governance of ARTES 5.0 has been designed to achieve efficiency and effectiveness, while ensuring transparency and participation. In order to increase its impact from a local and national level to a broader European level, ARTES 5.0 has signed MoUs and LoIs with several EDIH proposals, sharing vision, strategy, and models, to strengthen initiatives, promote synergies

#### **Coordinator information**

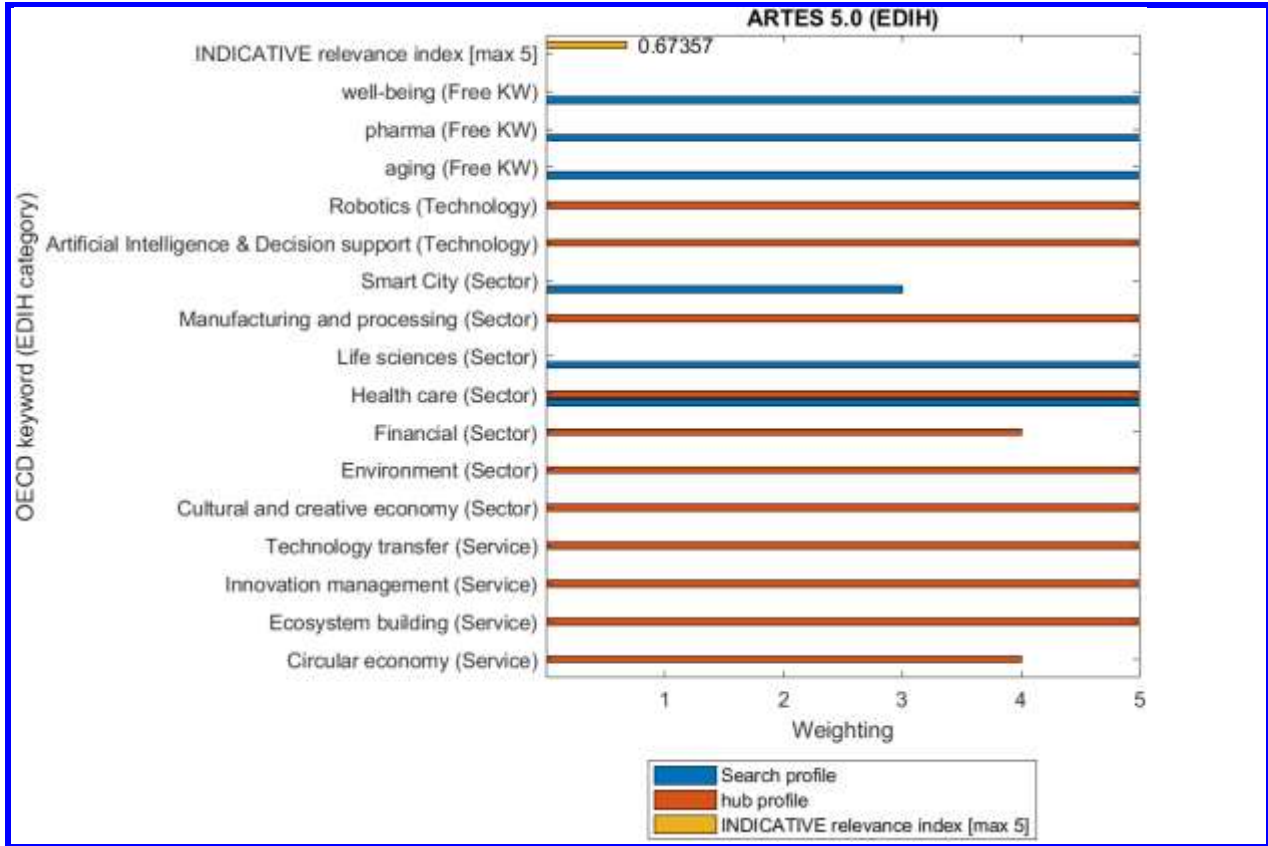
Paolo Dario

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<https://european-digital-innovation-hubs.ec.europa.eu/edih-catalogue/ARTES-5.0>



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## **CHEDIH (EDIH)**

### **Hub Information**

#### **EDIH Title**

Circular Health European Digital Innovation Hub

#### **Short summary (abstract)**

Circular Health EDIH specific focus is the applicative are of Circular Health: the connection between human health and the one of animals, plants and the environment. It has Health and Agri-food SMEs and PAs in Piedmont and Valle d'Aosta in Italy as targets. It coordinates universities, DIHs, innovation clusters, industrial associations, chambers of commerce, public and private ICT providers, higher technical institutes, independent financial consultants, incubators, accelerators, EEN nodes, KICs EIT Health and Food. The expertise is focused on Artificial Intelligence, HPC (in EuroHPC DE programme), Cybersecurity and Blockchain for traceability, but it does not disregard higher TRL solutions given the low level of digitalization of its customers. To ensure a truly European dimension, CHEDIH created a network of EDIHs around Europe: 22 EDIH candidates specialized in Health or Agri-food signed a multi-lateral agreement to share a common catalogue of services, and coordinate with DTA. Its pipeline of services includes: 1) Networking to engage customers with innovative solutions such as the social networking platform FirstLife and artistic performances. 2) A digital readiness and a green assessment produce a digital roadmap, identifying technologies and training needs. 3) Test before invest exploits the technological expertise of universities and ICT providers. 4) It offers short reskilling courses, produces MOOCs and integrates with the wider higher education systems 5) the customers are supported to build a business plan, and to find public or private fundings by an independent financial advisor and an international law firm expert in M&A and also through InvestEU and Startup Europe.

#### **Coordinator information**

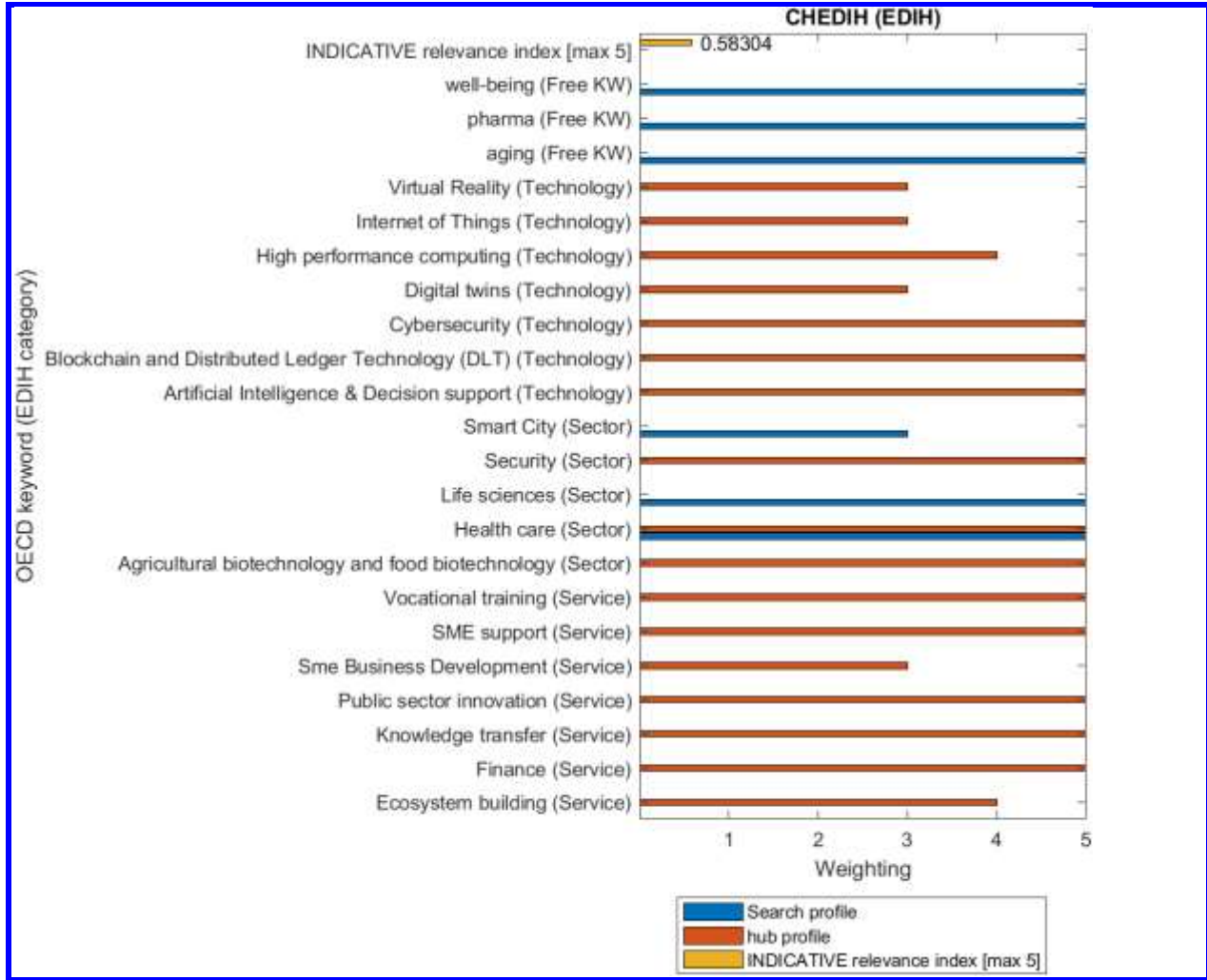
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## **PICS2 (Seal of Excellence)**

### **Hub Information**

#### **EDIH Title**

Puglia Innovation Center for Safety and Security

#### **Short summary (abstract)**

Puglia Innovation Center for Safety and Security (PICS2) aims to support Public Bodies and small and medium enterprises operating in Industrial Development Areas and in Special Economic Zones, by transferring culture and awareness to ease and speed up the process of digital and green transition and enhance its impact on personnel. To facilitate change to digital, PICS2 will focus on the issues of intelligent integration of data and services, safety (health and welfare of people, environmental protection, prevention and protection from natural disasters) and security (protection of industrial, logistics, customs and energy infrastructure, both in physical and digital terms). Services will be provided in four key areas: Technologies, Business, Ecosystem and Training. A strict collaboration with others national and European EDIH will be established to explore synergies and management options for digital transition.

#### **Coordinator information**

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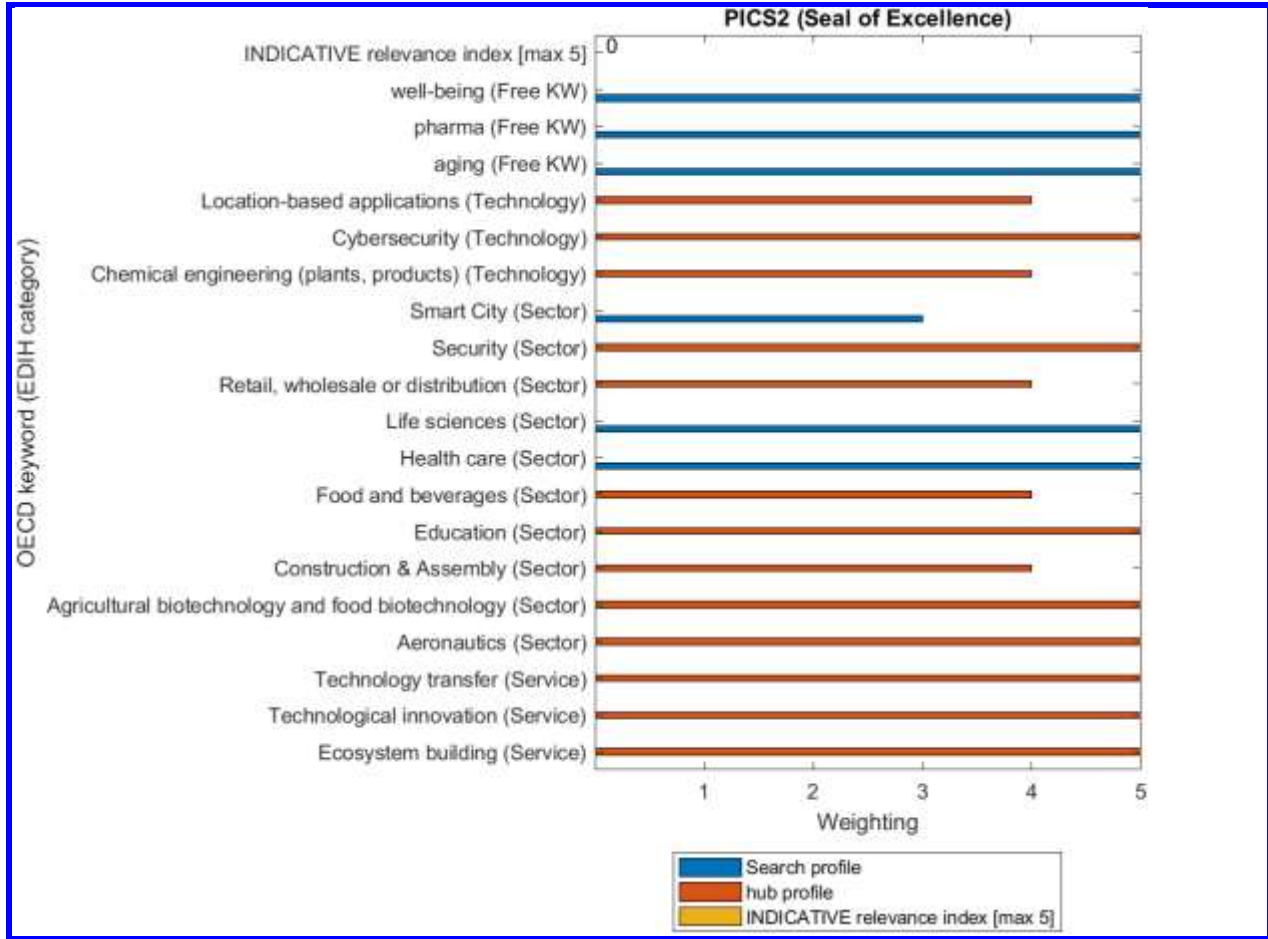
<https://european-digital-innovation-hubs.ec.europa.eu/edih-catalogue/PICS2>

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## **EDIH VILNIUS (EDIH)**

### **Hub Information**

#### **EDIH Title**

EDIH VILNIUS: accelerating green and digital transformation in Vilnius region

#### **Short summary (abstract)**

Responding to the DIGITAL-2021-EDIH-01-INITIAL call, EDIH VILNIUS is submitting the proposal with a goal to enable the EDIH VILNIUS to effectively support the digital and green transformation of SMEs and public sector organisations in the Vilnius region. The specific objectives of the project directly correspond to the objectives of the call and are the following:(1) to ensure full integration of the EDIH VILNIUS into a common network of EDIHs in order to facilitate effective international cooperation and service provision as well as identify and cover the needs of Vilnius region SMEs and public sector organisations in a field of digital and green transformation by providing a full package of integrated services(2) to upgrade the capacity of the EDIH VILNIUS to ensure the proper provision of these services(3) to build networks between EDIH VILNIUS and other relevant organisations in Europe and worldwide in order to ensure sharing of capacities and knowledge, especially, in the fields of High Performance Computing, Artificial Intelligence, Cybersecurity, Advanced Digital Skills. Moreover, the project will directly contribute to the overall Digital Europe Programme objectives as EDIH VILNIUS will become a part of EDIHs network on the EU level and will help to cover a specific EU region (Vilnius region, Lithuania). EDIH VILNIUS is already a mature consortium which is deeply engaged in its activities. At the moment the consortium brings together digital technology expertise, with the specific focus on AI technologies, in different sectors as well as infrastructure needed to provide high quality services in the Vilnius region. Therefore, EDIH VILNIUS is able to ensure a successful implementation of the project and its objectives. The project will help members of EDIH VILNIUS to better combine their forces, infrastructure and competencies for a common goal - comprehensive digital and green transformation of Lithuanian industry, SMEs and public sector organisations.

#### **Coordinator information**

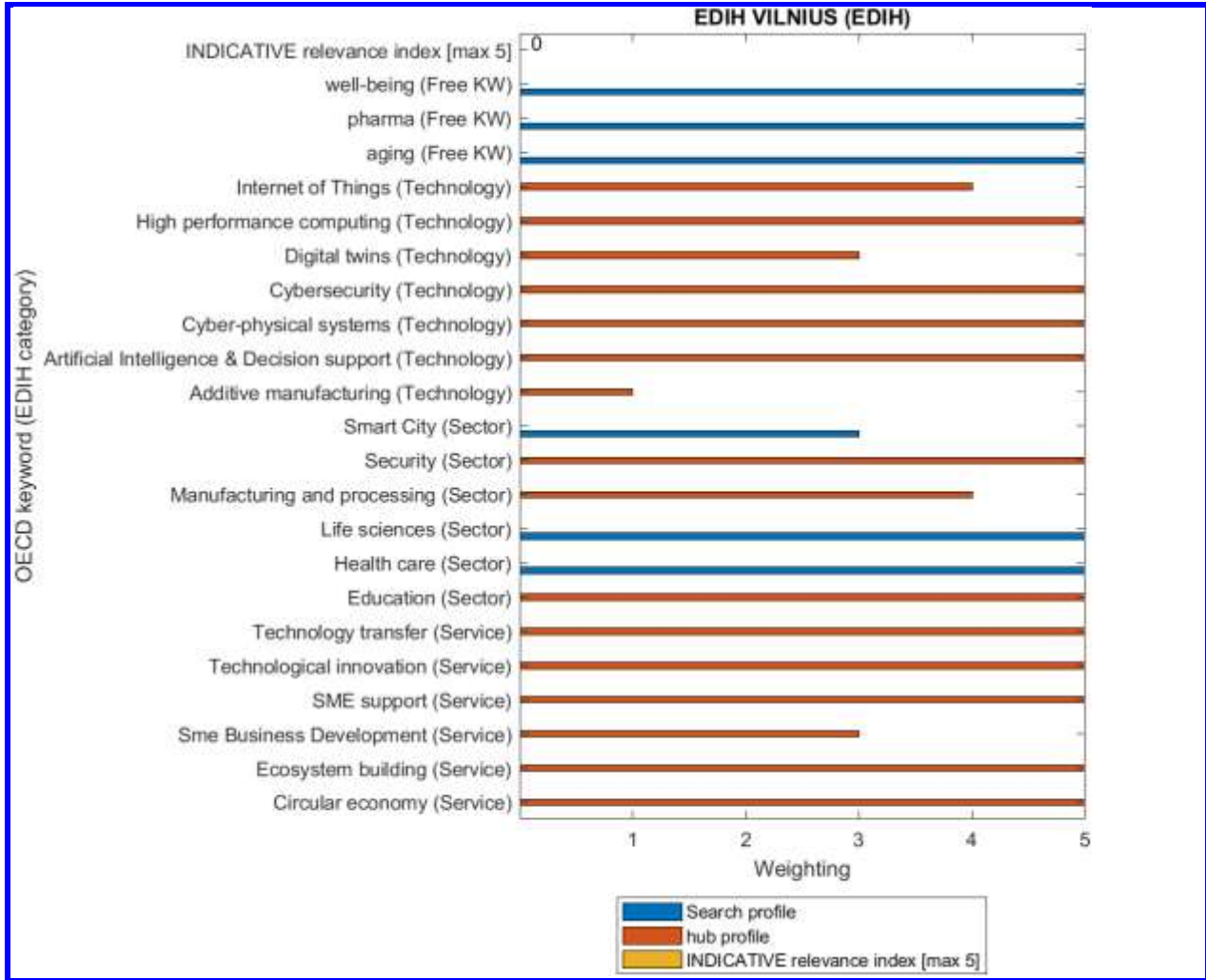
Edgaras Kriukonis

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<https://european-digital-innovation-hubs.ec.europa.eu/edih-catalogue/EDIH-VILNIUS>



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## **Nemonoor (EDIH)**

### **Hub Information**

#### **EDIH Title**

A Norwegian EDIH on Artificial Intelligence

#### **Short summary (abstract)**

European private and public companies are lagging other regions in exploiting how advanced digital technologies can contribute to better services and more effective/efficient processes and business models. Contributing to this challenge is our dependence on technologies from other regions, and the importance of our collective effort to succeed in becoming greener. The Digital Europe Program will complement other EU Programs by helping private and public companies develop capacities in utilizing High-Performance Computing, Artificial Intelligence, Cybersecurity, Advanced Digital Skills in accelerating the best use of technologies in tackling these challenges. One of the mechanisms deployed through Digital Europe is the European Digital Innovation Hubs. Nemonoor is a Norwegian consortium of eight partners with a long-standing history of collaboration and joint efforts, that has been designated by Norway to become an EDIH. Our belief is that the challenge at hand can only be solved through collaboration among partners that have deep knowledge and experience within all aspects of how private and public companies approach digital, and how they build their capabilities and exploit the opportunities. Our approach is based on two main objectives: support SME/public sector enterprises in Norway with AI Adoption, and ensure EDIH synergies on the European and national levels. Nemonoor partners have a long history of mobilizing private and public companies to act, and to build their capabilities to deploy the technology. With the Nemonoor consortium in place, we have the best means to scale on what we are already doing and release further national and EU funding to activities that contribute to growth and prosperity for European companies and citizens. The application gives a comprehensive description of our capabilities, how we will utilize these capabilities, and how we will engage and assist companies in taking part in the digital transformation journey.

#### **Coordinator information**

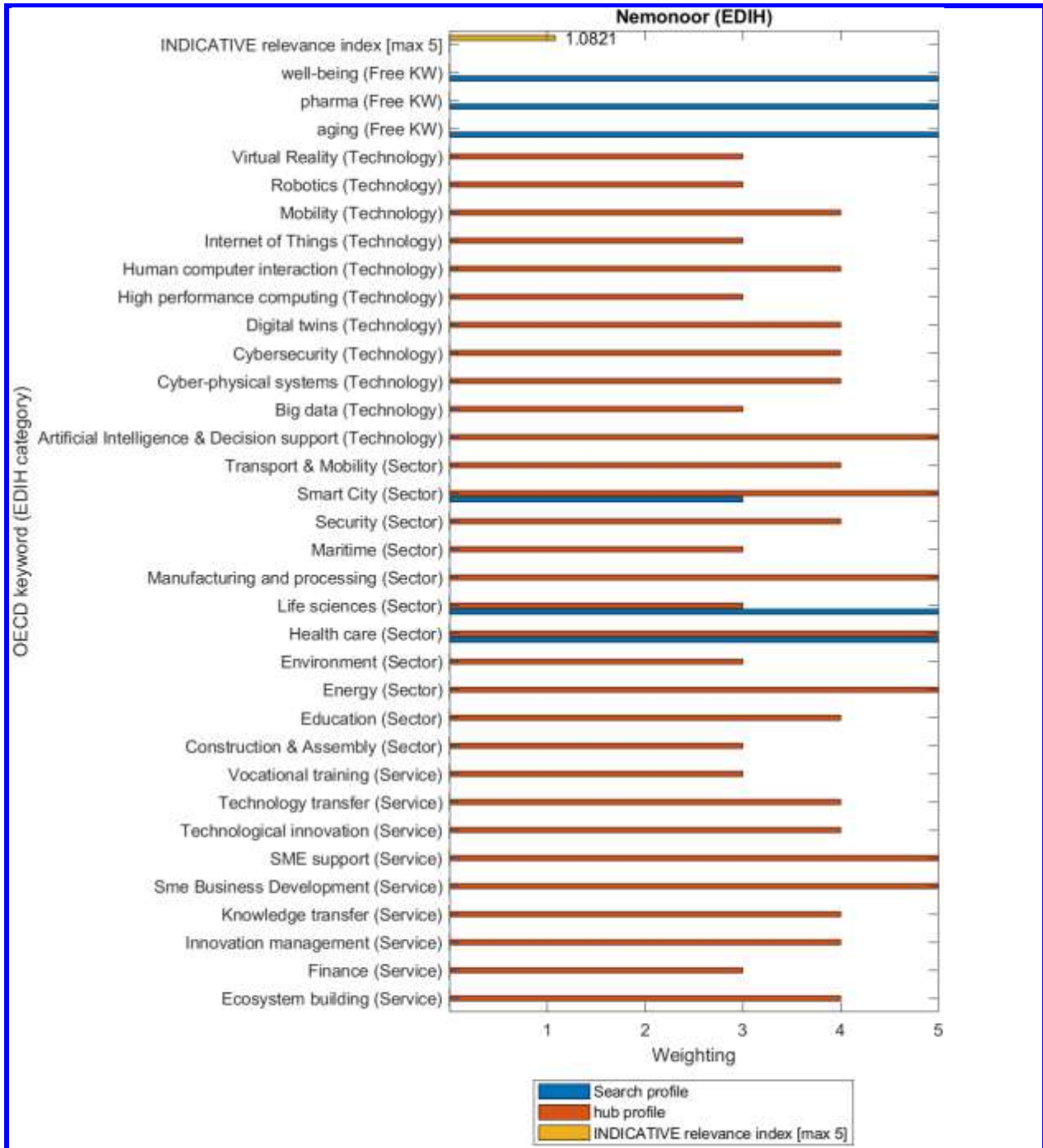
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## **OCEANOPOLIS (EDIH)**

### **Hub Information**

#### **EDIH Title**

OCEANOPOLIS

#### **Short summary (abstract)**

Oceanopolis accelerates the digital transformation of SMEs and the public sector for sustainable businesses, coastal regions and oceans. Specifically, we help SMEs increase sales, reduce costs, gain reputation and reduce the climate footprint through capacity building and application of digital tools and solutions for the primary value chain activities and technological development. Norway as an ocean tech nation is at the core of our hub, but we do more than “deeptech ocean”. Our scope reach from sustainable and smart cities and coastal communities to the blue economy with its shore-based supply industry. Concretely we cover the following sectors: Energy & offshore renewables Fisheries & aquaculture Mechanical industry Building & construction industry Transport & logistics, including smart ports Marine & coastal tourism Ocean & coastal management We offer the users of our hub access to four core services: Oceanopolis Networking Arenas at regional and national level for inspiration and B2B networking; Oceanopolis Academy offering practical courses and training for knowledge building and digital management capacity building; Oceanopolis Digital Accelerator for single businesses and business networks in need of advancing business challenges through a structured journey with inspiration, discoveries, action planning & capacity building, business development coaching and Test Before Invest; Oceanopolis Capital supporting access to soft funding, seed capital & venture capital. The Digital Accelerator works with a wide range of digital technologies, tools and data spaces within its test infrastructures integral to the Test Before Invest, including: AI, Data & Robotics Additive manufacturing with customized materials IOT & sensors Artificial vision VR/XR Aerial drones Underwater drones (ROVs & AUVs) Tools for modelling, simulations & digital twins A highly competent multidisciplinary team operates the hub with outreach to the national digital ecosystem. It stretches along the Norwegian coastline, collaborates with all major industry clusters and networks offering access to thousands of companies, business incubators and TTOs, private capital, academia, test infrastructures & catapults, regional authorities, municipalities and other public sector actors. We welcome hearing from you.

#### **Coordinator information**

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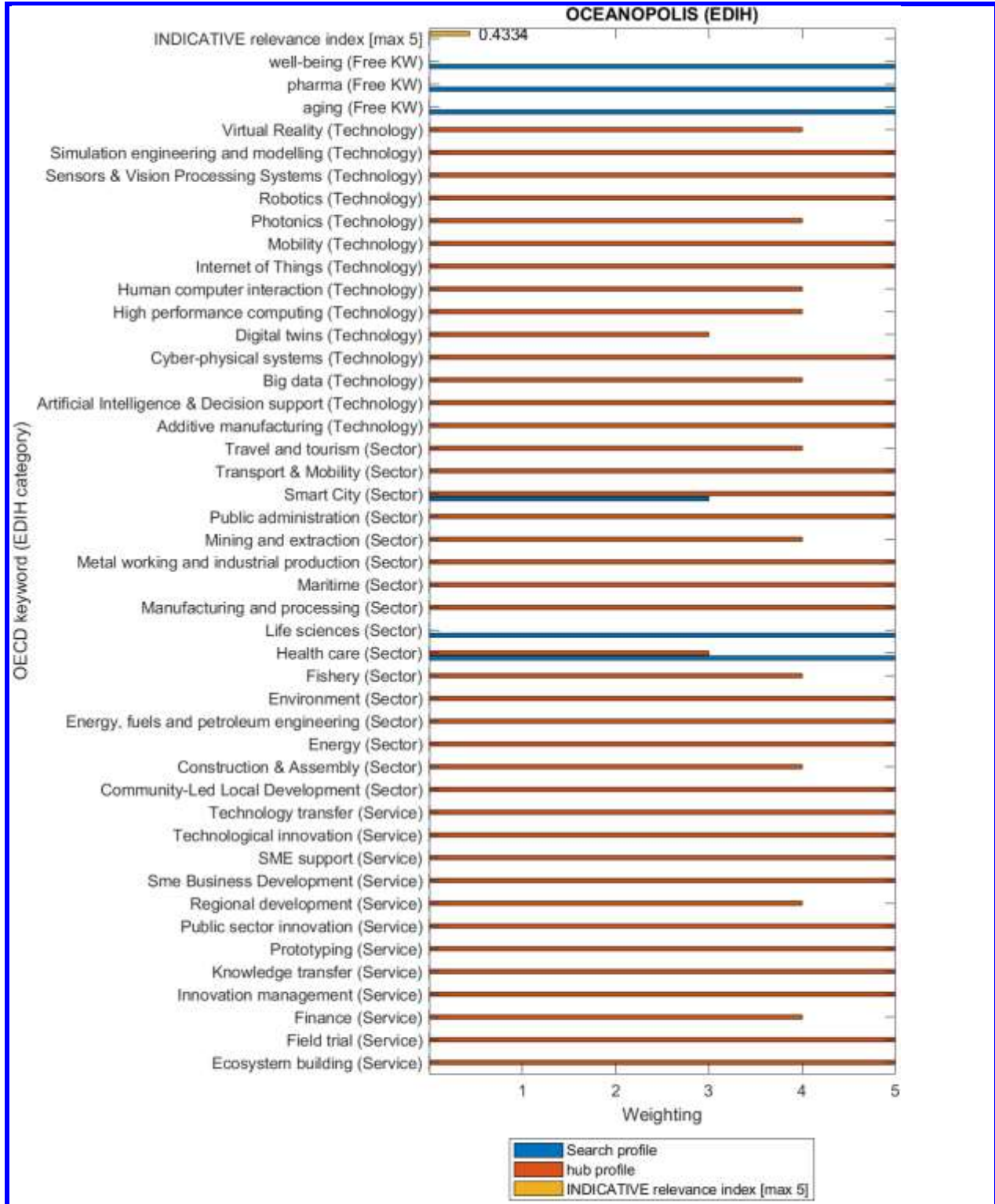
<https://dihooceanopolis.com>

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## **DigiHealthPT (Seal of Excellence)**

### **Hub Information**

#### **EDIH Title**

Digital Health Portugal - From Portugal to the Digital World

#### **Short summary (abstract)**

DigiHealthPT is dedicated to support the digital transformation in the Health sector, namely on the SmartHealth segment, which includes the application of wide-spectrum of technologies for improved cost-effectiveness and health provision. With a broad national coverage (Portugal) and a European scope, DigiHealthPT focuses on the application of Artificial intelligence and Cybersecurity in Health to respond to the emerging needs of startups and SMEs, supporting innovation and digital transition, and of the public sector, promoting the adoption and use of digital solutions. The hub is also devoted to empowering the population and health professionals in the digital transformation process by fostering digital and health literacy. Grounded in a coherent, multidisciplinary and agile structure and with the complementary competences from 30+ partners – universities, research institutes, technology centres, hospitals – the 7 consortium members - Health Cluster Portugal, EIT Health, Fraunhofer Portugal AICOS, Glintt, IPN – Automatics Lab, Value4Health Colab and IPN-Incubadora – are committed to jointly uphold the modernization of the health sector. By capitalising their involvement in national and international networks and previous experience in the setup of DIHs and in the provision of services, DigiHealthPT members will support the digital innovation strategy for Health, in line with major trends (e.g. tech-enabled healthcare, open innovation, data-driven prediction, patient 2.0, value-based healthcare) and with the European policy objectives and strategy. The hub will provide a unique portfolio of either on demand customized services or call-based programmes in 4 major application areas: Access to experimentation and testing, Training, Support to Find Investment, and Innovation ecosystem building and networking, to accelerate innovation and create new products and services that can ultimately benefit the national health systems and the citizens.

#### **Coordinator information**

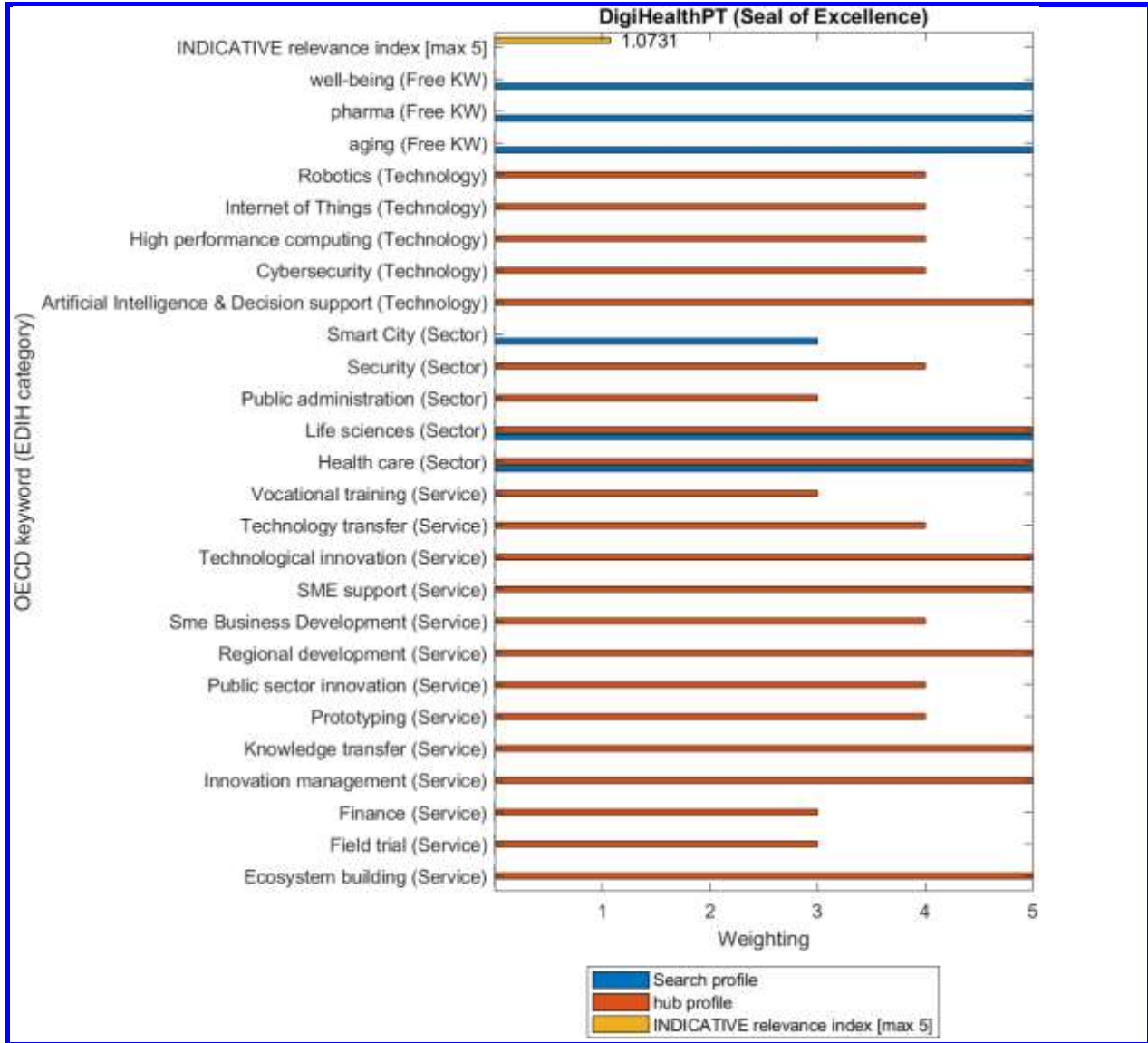
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## **CIH (EDIH)**

### **Hub Information**

#### **EDIH Title**

Center for Innovative Healthcare

#### **Short summary (abstract)**

Project Center for Innovative Healthcare (EDIH) is a one-stop-shop EDIH with a mission to accelerate digitalization and innovation in Slovakia. EDIH will improve the healthcare system, a crucial sector with potential for large-scale deployment of proposed solutions. The establishment of the Center will increase excellence and trust in health-related technologies and lead to more precise diagnosis, better prevention of diseases, and more effective treatments. The fact is that universal solutions cannot reach excellence. Therefore, our EDIH focuses on one substantial area – healthcare. EDIH's services cover cutting-edge technologies such as cybersecurity, high-performance computing (HPC), artificial intelligence (AI), telemedicine, the Internet of Things (IoT), or robotics. Our services are designed to meet better the needs healthcare industry covering key service areas (1) Test before invest, (2) Skills and training, (3) Support to find investment, (4) Innovation ecosystem and networking, and (5) Support to the public sector. To execute these services, EDIH offers an excellent portfolio of advanced digital technologies and open access to cutting-edge testing facilities. The strong consortium consists of eleven members and two affiliated partners and offers expertise in all critical areas of innovation and digital transformation, including reaching the target groups. At the core of the EDIH, the two most prestigious universities provide expertise and access to labs together with affiliated partners. Moreover, there are 13 associated partners: Slovakia's Ministry of Health, Ministry of Defence, etc. EDIH will significantly impact healthcare in Slovakia, potentially spilling over across Europe. At least 450 organizations will benefit from a considerable increase in their Digital Maturity index. Project estimates to trigger a minimum of €6 mil. of additional investment and increase market maturity of involved start-ups.

#### **Coordinator information**

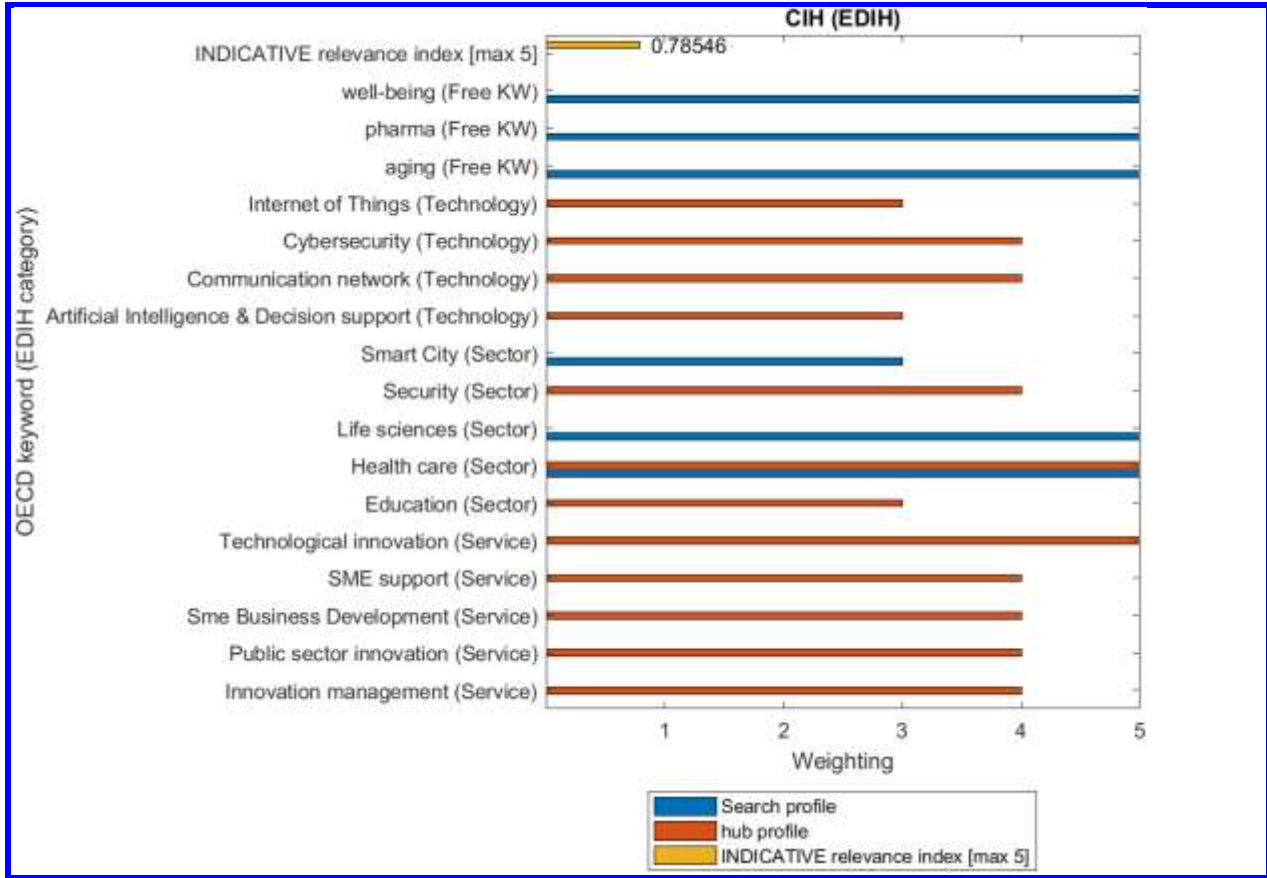
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## **DIGI-SI (EDIH)**

### **Hub Information**

#### **EDIH Title**

DIGITAL EMERGENCY RESPONSE FOR SLOVENIA

#### **Short summary (abstract)**

DIGI-SI will foster the digital transformation of Small and Medium-sized Enterprises (SMEs), start-ups, scale-ups and Public Administration in four strategic priority areas identified in the forthcoming Slovenian smart specialisation strategy: Agri-food, Health, Tourism and Manufacturing. DIGI-SI has access to crucial infrastructure and highly skilled personnel central to foster the digital revolution in both NUTS2 regions of Slovenia and in Europe. The consortium consisting of seven partners with proven complementary expertise in digital transformation support, will take advantage of the existing resources and provide a single point of contact in all four priority areas of Digital Europe Programme: Artificial Intelligence, High Performance Computing, Cyber Security and Advanced Digital Skills. DIGI-SI also offers technology services within Robotics, Internet of Things, Big data, Blockchain and Augmented / Virtual reality. DIGI-SI will deliver 70 services on entry, basic, and advanced levels and offer collaboration opportunities to Slovenian ICT players to become external digital technology/service providers providing complementary services to local and EU companies through the DIGI-SI online shop enabling matchmaking in demand and supply of digital resources. The modus operandi of DIGI-SI is to offer services and facilitate client journey throughout the circular value chain of defined S5 priority areas. Starting from enabling test-before invest, skills and training, support to find investments, all the while serving as an awareness platform of the benefits and opportunities of the digital age. As a “first-responder” for digital emergencies DIGI-SI has a customer centric approach with an emphasis on timely and efficient service delivery. Apart from physical locations in both NUTS2 regions clients will be able to take advantage of features integrated into the DIGI-SI online shop, such as Academy, Virtual agent, supported by Live agents and Digital emergency hotline.

#### **Coordinator information**

Muhamed Turkanovic

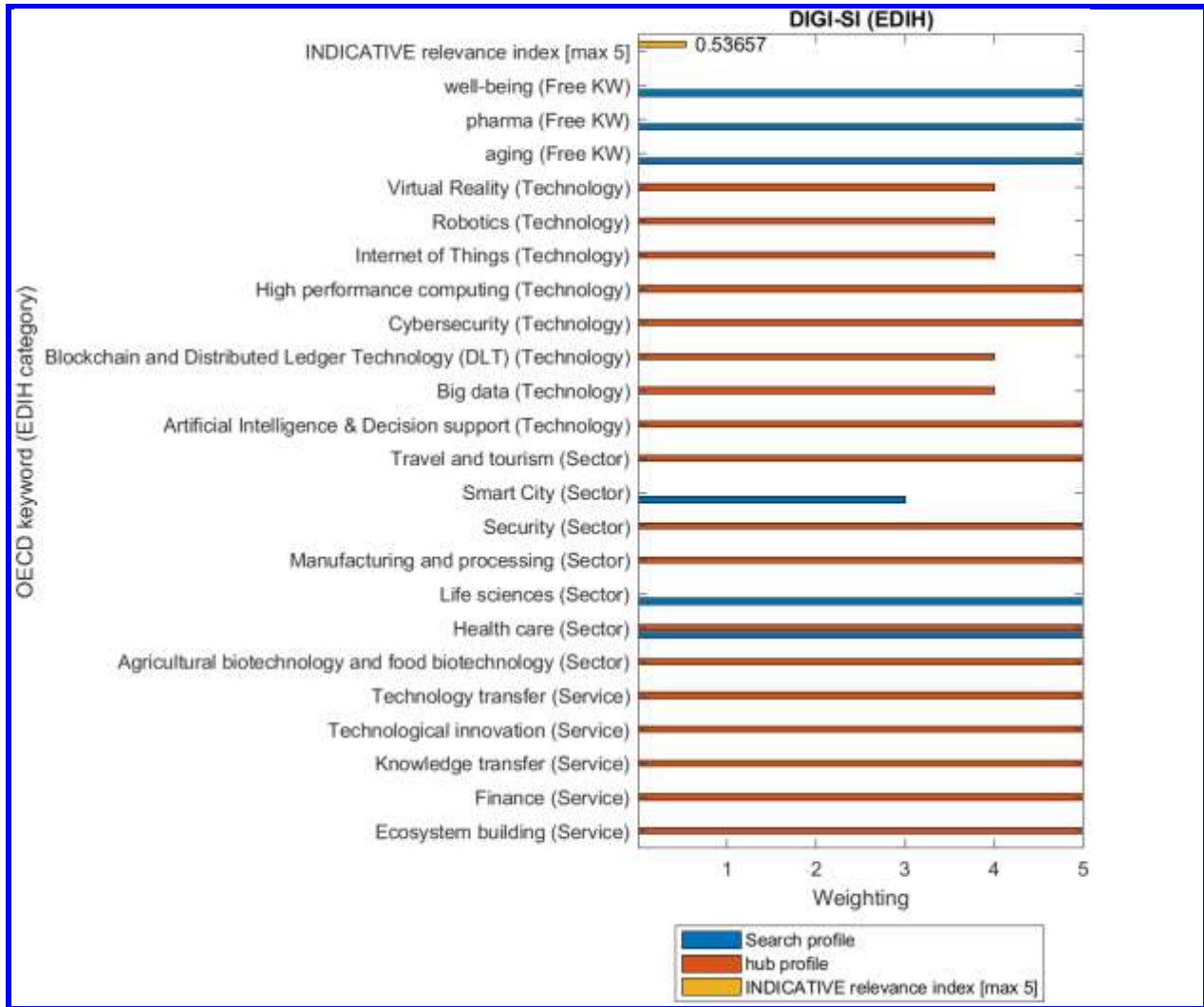
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## **DIH-bio (Seal of Excellence)**

### **Hub Information**

#### **EDIH Title**

DIH-bio (Digital Health - Biosciences)

#### **Short summary (abstract)**

Thanks to digital technologies such as AI or HPC and the massive generation of medical and other health-related data, traditional methods for early detection, diagnosis, treatment, patient management, precision medicine, drug development, genomics, or medical image analysis are being transformed. This is driving an evolution of health-related activities from a reactive approach (curing diseases) to an approach based on the P4 medicine paradigm: Predictive, Preventive, Personalised and Participatory. This conviction has driven the setting up of Digital Health-Biosciences (DIH bio). DIH bio results from long-term collaborative patterns established around the Campus of International Excellence UAM (Universidad Autónoma de Madrid) + CSIC (Spain's Scientific Research Council) that includes leading Competence Centres focused on digital and health domains. It has joined 42 Quadruple Helix actors (industry, academia, civil society and public authorities) that have a say in Bio-Health& Digital fields: from deep-tech startups to technology MNCs, research centers, the University, hospitals, pharmaceutical companies, investors, scientific park, business associations, chamber of commerce and public authorities. Also, MoUs have been signed to create Health-related corridors with other EDIH candidates. This has allowed a holistic design of a service portfolio with a high degree of specialization and know-how focused on helping health&Bio related startups, SMEs and public entities to address the challenges of the digital transition. It will support them in using digital technologies, highlighting AI and HPC as critical tools and the relevance of cybersecurity as very sensitive information has to be managed. It also provides a comprehensive life-cycle: from matching partners for the digital transformation process to securing financial resources or training the workforce to upskill their capabilities and devoting particular relevance to TBI activities.

#### **Coordinator information**

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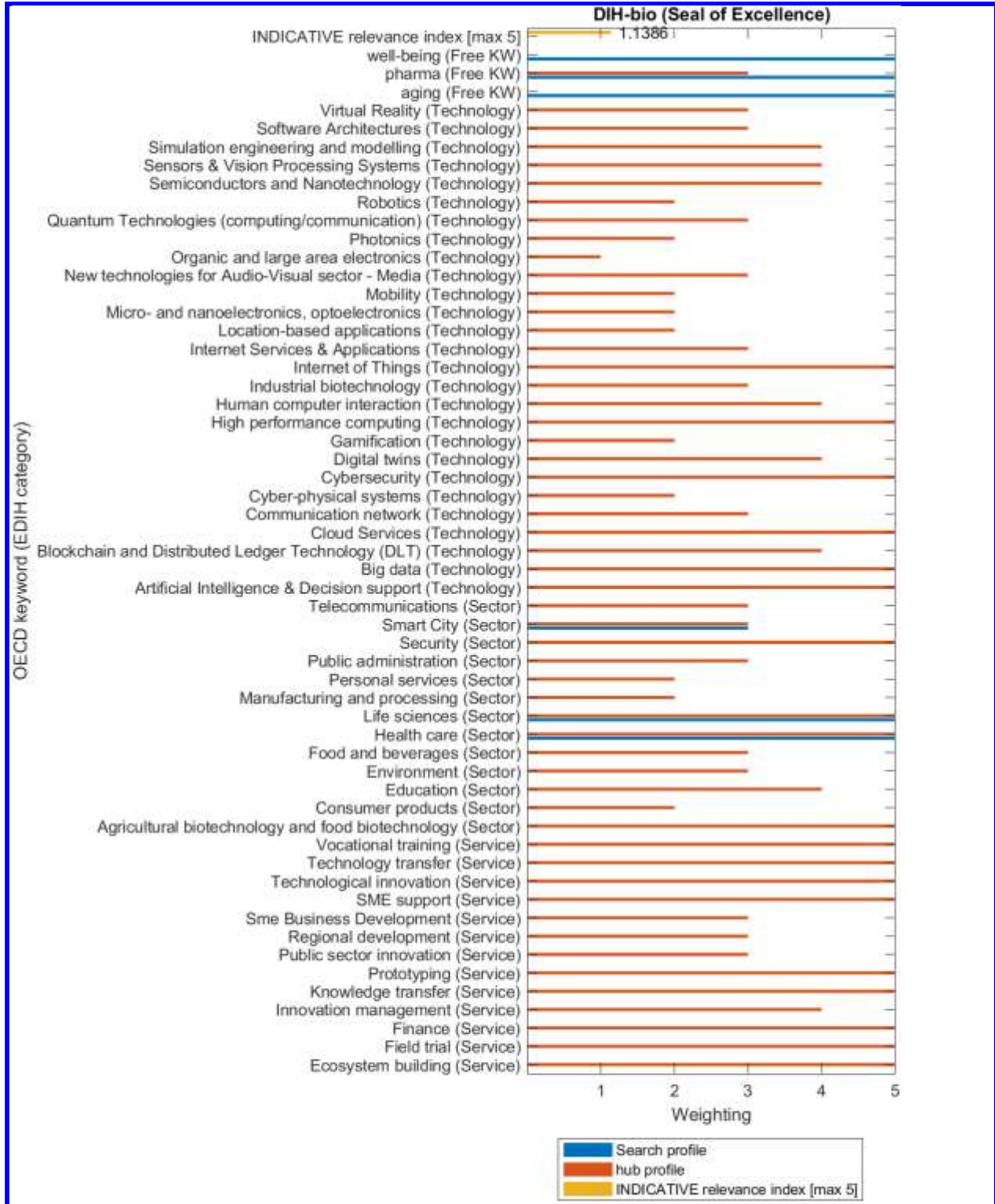
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## **IRIS (EDIH)**

### **Hub Information**

#### **EDIH Title**

European Digital Innovation Hub of Navarre

#### **Short summary (abstract)**

European Digital Innovation Hub of Navarre (IRIS) is Navarre's digital transformation accelerator, providing companies and public sector with high added-value services for experimentation, access to training, technological infrastructures and financial support, through a dynamic and interconnected ecosystem with access to best practices and technological players at national and European levels, strongly committed to becoming a relevant player in the EDIH network, expanding its collaboration outreach to other European regions. IRIS, with full support from the Regional Government of Navarre, is coordinated by ADItech and participated by the Region's most relevant innovation ecosystem players, including Universities, RTOs, ICT providers, professional organizations and sectoral clusters, with an already ongoing track record of collaborations, and as a seamless space to address challenges, with Artificial Intelligence and High Performance Computing as clear driving technologies, and a focus on the Region's main economic sectors i.e., automotive and mechatronic, agri-food, renewable energies, healthcare, and public sector, a reason for which Personalized Precision Medicine is one of its key performing areas. Fully aligned with its S4 strategy, IRIS is part of a major ambitious project under development along the 2020-2026 period aimed to improve the region's digital innovation setup and capabilities.

#### **Coordinator information**

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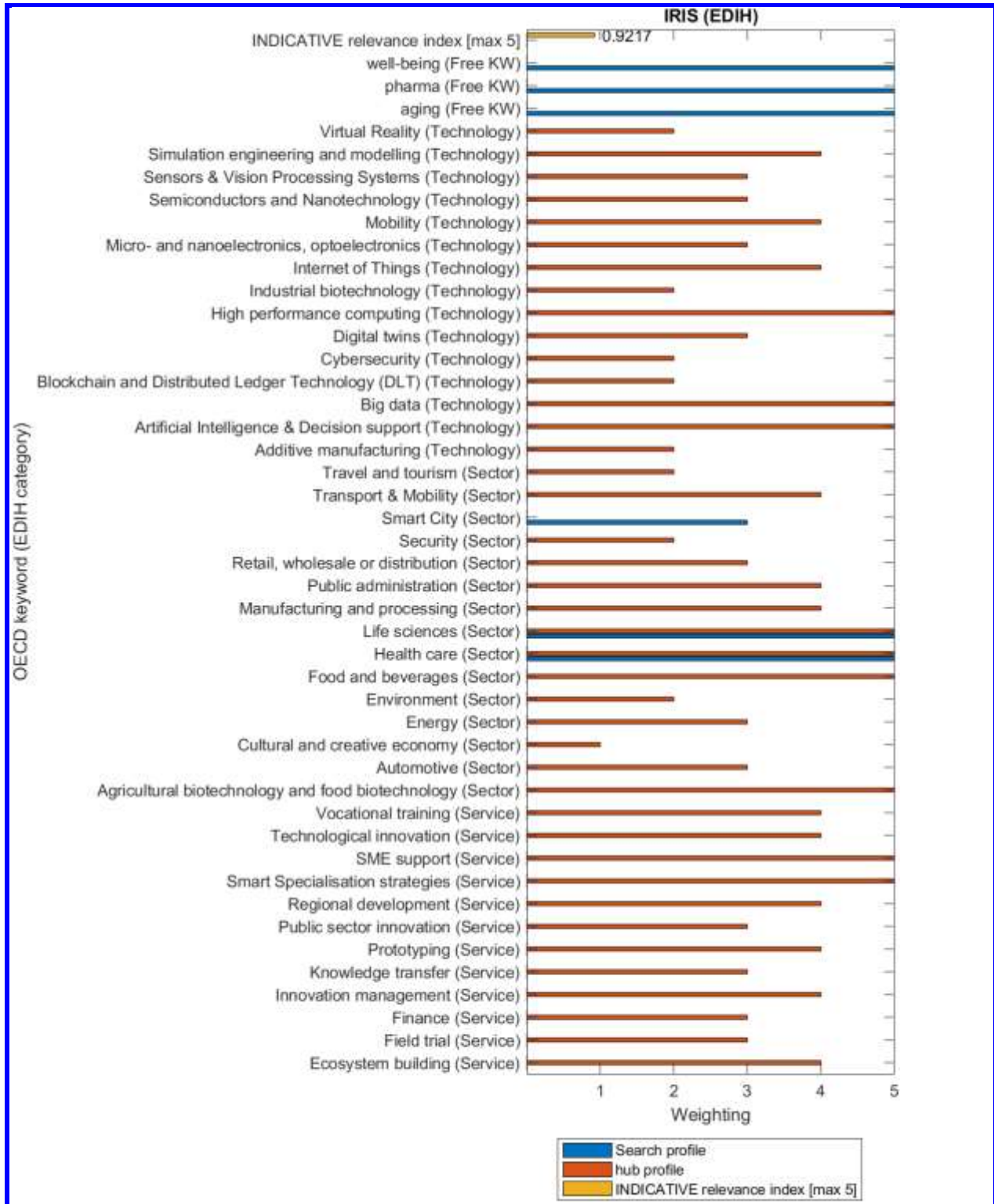
<https://european-digital-innovation-hubs.ec.europa.eu/edih-catalogue/IRIS>

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Artificial Intelligence and Digital Industry  
**Digital Transformation of Industrial Ecosystems**





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## **DATALife (EDIH)**

### **Hub Information**

#### **EDIH Title**

Digital Innovation Hub for the deployment of Artificial Intelligence and Data Analytics in SMEs in the primary, biotechnological and health sectors

#### **Short summary (abstract)**

DATALife is designed considering Galicia's future potential and challenges, current R&D capabilities and traditional strengths. Rich in natural resources, Galicia has the opportunity to manage them in a smart manner, that ensures their sustainability, a healthy environment and business models that add value to those working in rural areas. With one of the longest life expectancies in the world, it must step up to offer quality of life to its ageing population, with better medicines and care services, exploiting innovations based on combining complex information and advanced analytical models. With the common aim of accelerating digital transformation, universities, technological & competence sectors, sectoral clusters and large companies will work together, creating a fair, green and healthy economy fit for the age of information. A high-quality digital revolution will be centred in the persons, the environment they live in and their wellbeing. This will be achieved by increasing AI uptake in SMEs and public administration with easy-to-use applications; creating collaborative, federated data spaces; unburdening workers by automatically retrieve data with IoT; remaining competitive by HPC usage and securing sensitive data with the latest European cybersecurity applications.

#### **Coordinator information**

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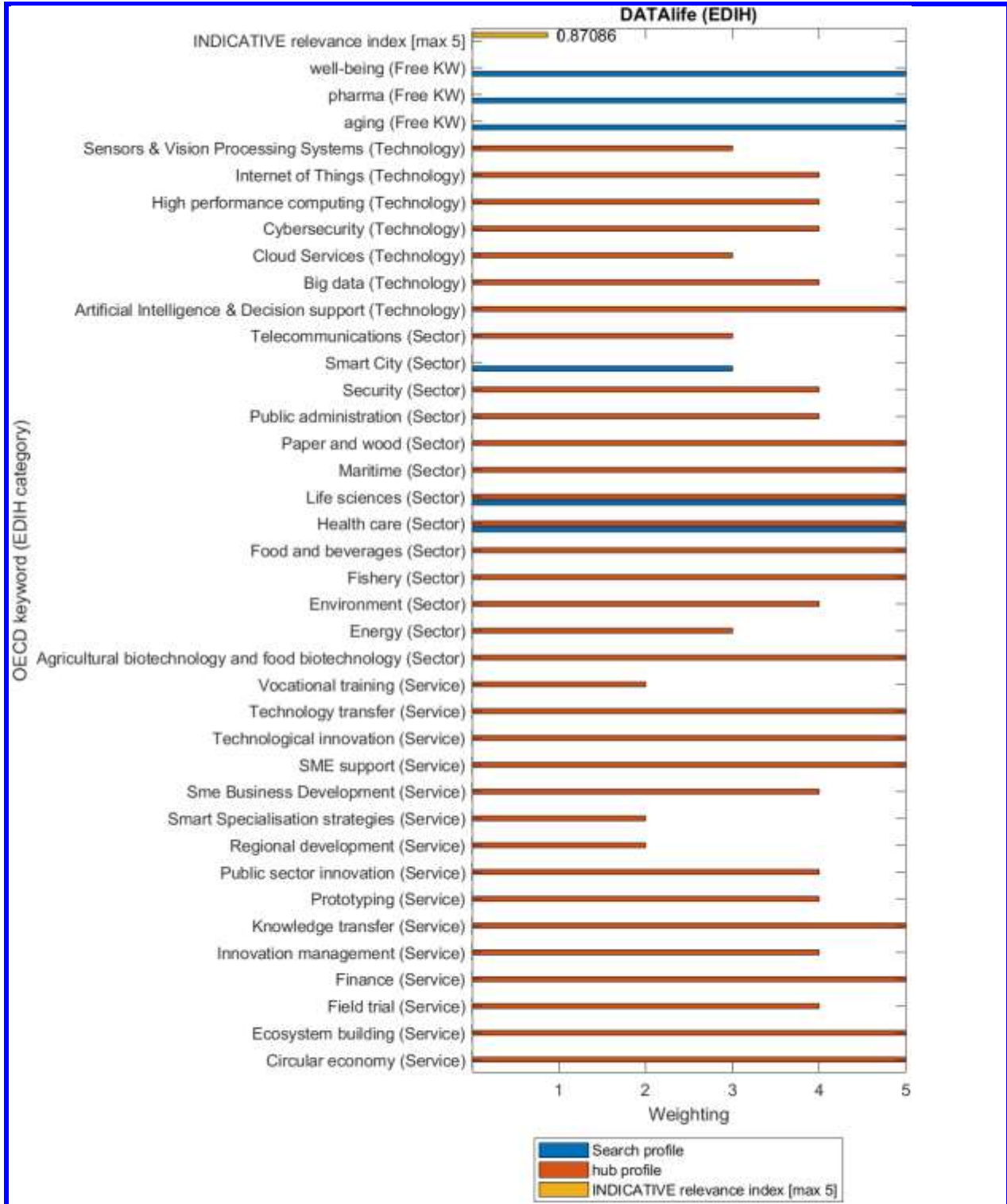
<https://www.dihdatalife.com/en/edih/>

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## **InnDIH (EDIH)**

### **Hub Information**

#### **EDIH Title**

InnDIH - Valencia Region Digital Innovation Hub

#### **Short summary (abstract)**

InnDIH is the Valencian Region European Digital Innovation Hub (EDIH) which represents the centralized public-private initiative in the region for the digitization of SMEs and public administration and boost the economic development of the Valencian Region. InnDIH represents the alliance among the business ecosystem, universities, technology and research centres, biotechnology-health research institutes and public administrations, focusing on Artificial Intelligence (AI), as well as other technologies such as HPC, Cybersecurity, Big Data and Robotics, covering mainly Advanced Manufacturing and Quality of life & Health sector, very in line with the Valencian S3 strategy. InnDIH's strength is based on the infrastructures for experimentation and the technological, business and access to finance knowledge of the partners of a consortium led by ITI, in combination with a solid experience and connections at the European level, conforming a complete and complementary ecosystem for the provision of high value digitalization services to SMEs and Public Administrations (PAs) for technology uptake, support and definition of new business models, organized in 4 blocks: Test before invest, Training and skills, Support to find investments and Innovation ecosystem and networking. This set of services is based on demonstration, enabling and experimentation infrastructures and it is adapted to the needs of the territory, and thanks to the support received from the European Commission, the Ministry of Industry, Trade and Tourism, and the Valencian Region Government, the companies receiving them do not have to pay anything. Project activities and results will be actively disseminated by the consortium, collaborating with Digital Transformation Accelerator (DTA) and other EU networks, organizing events and meetings at EU and regional level with stakeholders, policy-makers, EEN, etc. InnDIH portfolio of services will be reinforced by the links with the EDIH network, solving other users' technology needs, starting from the 26 corridors already set (6 individual ones, 20 from EuHubs4Data). In a nutshell, InnDIH grows in a rich ecosystem, following the EU's objective to attain industrial and social wealth through the green and digital transition. Its participation as an EDIH in the DIGITAL programme is a key element to boost digitalization in the Valencia region.

#### **Coordinator information**

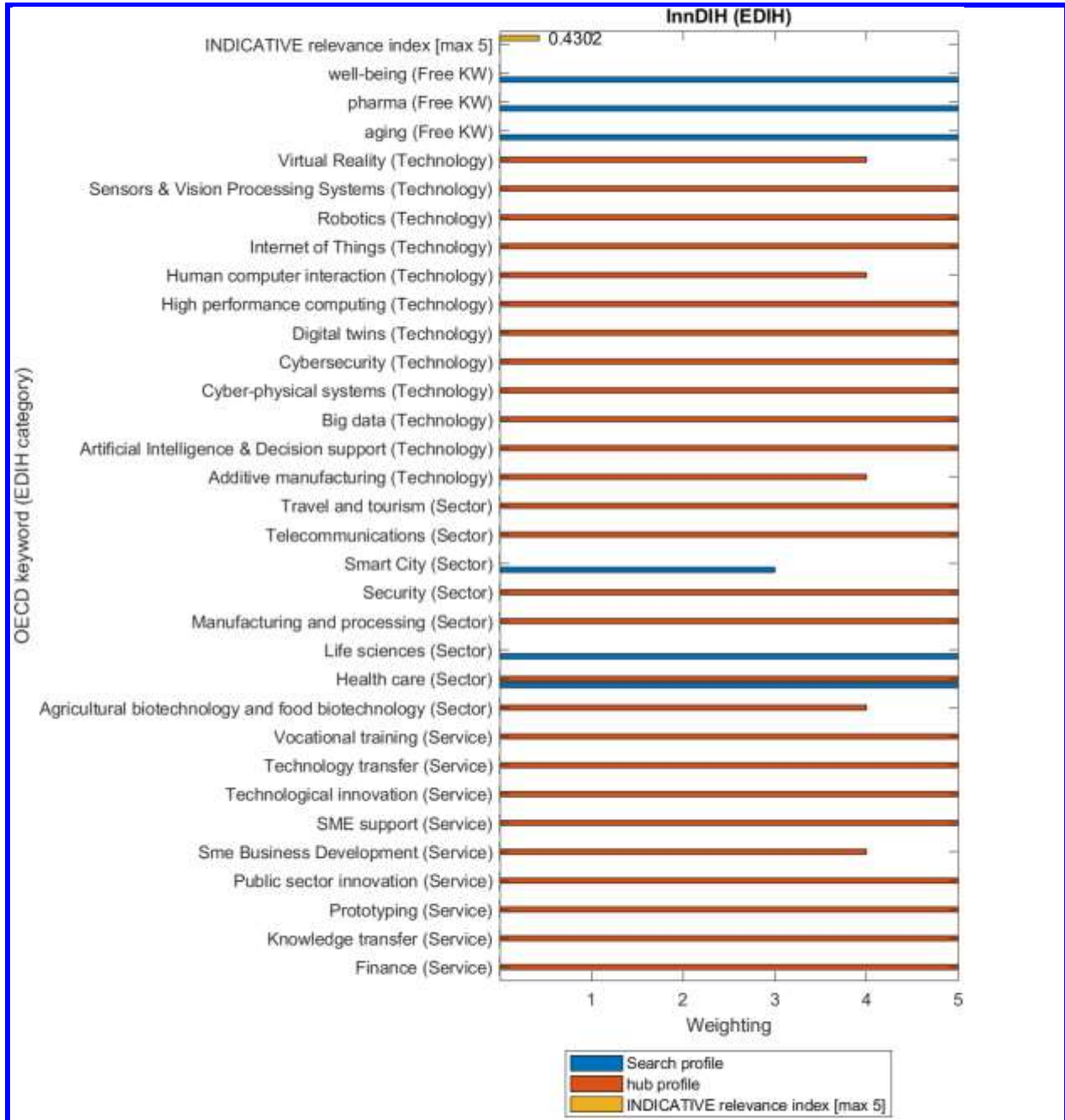
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## **HDS (EDIH)**

### **Hub Information**

#### **EDIH Title**

Health Data Sweden

#### **Short summary (abstract)**

Digital health can make healthcare safer and more efficient, and provide high-quality care. For digital health to reach its potential, it is vital that innovators and providers gain from the benefits of health data. EDIH Health Data Sweden (HDS) will support this by providing services that enable SMEs and the public sector to improve health data use, while also improving access to it. With a mature ecosystem of 16 partners active in the field, HDS will contribute to secure digital health services of the future, with focus on health data and high-quality, accessible and sustainable healthcare/welfare services for European citizens. HDS integrates two EDIH candidates (HDS and Health Innovation of Sweden) from Stage 1 of the call into one with a nationwide system of services for SMEs, small mid-caps and the public sector. The aim is to cover the complete value chain in digital health, allowing users to benefit by covering entry-level users and services related to health data as well as more complex development aimed at preparing for future development of the field. HDS is a hub composed of regions, universities, innovation hubs, research institutes, and science parks, all playing a leading role in Swedish and European healthcare: KTH Royal Institute of Technology (KTH, coordinator); Blekinge Digital Health Blue Science Park (BDH); Bron Innovation (BI); Compare/DigitalWell Arena (DWA); EIT Digital (EITD); EIT Health Scandinavian CLC (EITH); Halmstad University/Leap for Life (HU); Karolinska Institutet (KI); Linnaeus University (LNU); Livsmedicin Region Västerbotten (LM); Region Stockholm (RS); Region Kalmar län/ eHealth Arena (eHA); Stockholm University (SU); Stockholm Science City (SSCi); STUNS Life Science (STUNS) and Uppsala University (UU). The goal is to have 1700 Swedish and 200 European SMEs/mid-caps, and 455 Swedish and 95 public-sector organisations utilising our services by end of the 3-year project.

#### **Coordinator information**

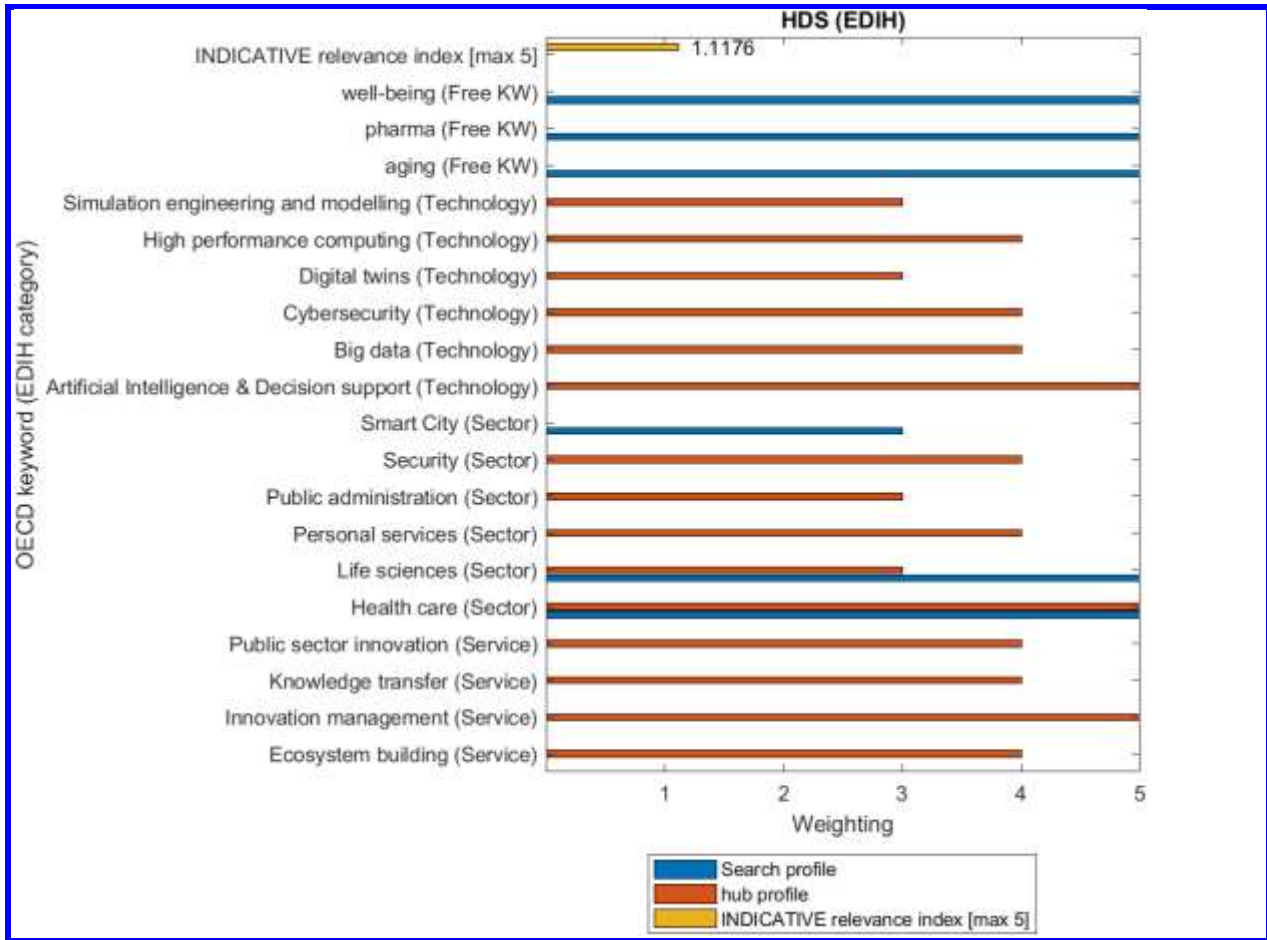
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