The European Health and Digital Executive Agency (HaDEA)

Marina Zanchi, Director
Angelo Marino, Health and Food
Katleen Engelbosch, Digital, Industry and Space

20 June 2023, Rome
Who we are
European Commission and Executive Agencies

European Commission

- Directorates-General (DG SANTE, DG RTD, etc...)
- Definition of policies
- Drafting of Work Programmes

Executive Agencies

- EAs (HaDEA, CINEA, REA, etc...)
- Implementation of calls for proposals/procurement procedures
- Management of funded projects
Our Agency

The European Health and Digital Executive Agency (HaDEA) implements European programmes and initiatives on behalf of the European Commission, by managing projects that are related to health, digital, food, industry and space.
Parent DGs of HaDEA

- **SANTE**: Health & Food Safety
- **RTD**: Research & Innovation
- **GROW**: Internal Market, Industry, Entrepreneurship and SMEs
- **HERA**: European Health Emergency Preparedness and Response Authority
- **DEFIS**: Defence Industry & Space
- **CNECT**: Communications Networks, Content & Technology
Our vision

HaDEA – boosting Europe by building, from earth to space, a healthy society, a digital economy and a competitive industry.
What we do
The programmes we manage

**Health**
EU4Health
Horizon Europe – Health

**Food**
Single Market Programme (SMP): Food Safety

**Digital**
Horizon Europe – Digital
Connecting Europe Facility – Digital
Digital Europe Programme

**Industry**
Horizon Europe – Industry

**Space**
Horizon Europe – Space

**Parent DGs:** SANTE, HERA, RTD, CONNECT, GROW, DEFIS
HaDEA’s beneficiaries

- Industry/SMEs
- Research institutes
- Academia
- National, regional and local authorities
- Representatives of civil society
- International organisations
- NGOs
Projects funded and services purchased by HaDEA

- Research & innovation
- Knowledge-sharing
- Training, networking, events
- Capacity building
- Software design
- Manufacturing
Project management lifecycles

**Procurement**
- Preparation of tender specifications
- Publication of calls
- Submission of tenders
- Evaluation of tenders
- Opinion from the advisory committee on procurement and contracts (ACPC)*
- Award decision, signature and management of the ensuing contracts

**Grants**
- Call for proposals
- Proposal submissions
- Evaluation & selection
- Signature of grant agreements
- Project monitoring
- Dissemination of final results

* for open calls only
Budget managed by HaDEA (2021-2027)

- **EU4Health**: €4.7 billion* (Out of total budget of €5.3 billion)
  - *in current prices
- **Horizon Europe**: €5.4 billion (Out of total budget of €8.2 billion, including €1.3 billion under Next Generation EU)
- **Connecting Europe Facility**: €1.7 billion
- **Digital Europe**: €0.8 billion
- **Single Market Programme Food safety**: €1.3 billion
- **Expected total budget managed by HaDEA will amount to over €20 billion**

*In current prices

Expected total budget managed by HaDEA will amount to over €20 billion
HaDEA projects’ portfolio (at 31 May 2023)

2425 Projects
Including legacy programmes

81 service contracts

2,344 grant agreements
Programmes managed by HaDEA

Department A: Health and Food
Angelo Marino, Head of Department
## Directorates-General (DGs) and HaDEA’s Dept A programme budgets

<table>
<thead>
<tr>
<th>DGs</th>
<th>Programmes</th>
<th>HaDEA Budget</th>
</tr>
</thead>
<tbody>
<tr>
<td>SANTE Health &amp; Food Safety</td>
<td>SMP-Food Safety</td>
<td>€1.3 billion</td>
</tr>
<tr>
<td>HERA European Health Emergency Preparedness and Response Authority</td>
<td>EU4Health</td>
<td>€4.7 billion</td>
</tr>
<tr>
<td>GROW Internal market, Industry, entrepreneurship and SMEs</td>
<td>Horizon Europe Health</td>
<td>€5.4 billion</td>
</tr>
<tr>
<td>RTD Research &amp; Innovation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CNECT Communications Networks, Content &amp; Technology</td>
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</tbody>
</table>
Single Market Programme - Food

SMP Food supports human, animal and plant health by providing access to safe and high-quality food in the integrated European Single Market.
SMP Food goals

- Prevention, control and eradication of *animal and plant diseases*;
- Fight against *antimicrobial resistance*;
- Improvement of *animal welfare* across the EU.

- Prevention of *food waste* and fight against fraud;
- *Sustainable* and *resilient* production of *food*;
- Effectiveness and reliability of official *controls* along the food chain;
- Contribution to the EU 'Farm to Fork' targets.
The BTSF initiative develops an EU training strategy in the areas of food law, feed law, animal health, animal welfare rules and plant health rules.
(co-) Funding rates for grants

SMP Food:

- Fixed in the annual work programme for each action
- Most activities: up to 50% or 75%
- Some priorities actions (e.g. in third countries): up to 100%

* Indirect costs included as a flat rate of 7% of the direct eligible costs
## Food programmes | Italy

<table>
<thead>
<tr>
<th>GRANTS</th>
<th>Number grants signed</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU contribution in grants signed</td>
<td>€43 m</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Procurements</th>
<th>Number contracts signed</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU contribution in contracts signed</td>
<td>€15 m</td>
<td></td>
</tr>
</tbody>
</table>

* Data cut off: 15th of May
SMP Food actions for 2023

• Grants to improve the measurement of **food waste** and help implement food waste prevention
  • For **EU countries**
  • For **stakeholders**
• Supporting the capacity building of the **European Food Bank Federation**
• Coordinated Control Plan for **Antimicrobial Resistance (AMR)** monitoring in commensal and zoonotic agents on samples of food and food-producing animals
• Supporting the production and use of **sustainable Food Contact Materials (FCM)**
• Overview on biology and ecology of micro-organism species potentially used as active substances in **plant protection products**
EU4Health

EU4Health represents an unprecedented level of financial commitment to improve and foster health in Europe
EU4Health goals

- Improve and foster health in the Union
- Protect people in the Union from serious cross-border threats to health
- Make medicines available and affordable
- Strengthen health systems, their resilience and resource efficiency
HaDEA implements the EU4Health programme based on the Annual Work Programmes

Funds projects and initiatives through:
- **Direct grants** to EU countries and Norway, Iceland, Ukraine, Moldova
- **Open grants**
- **Operating grants** to NGOs

**Purchases services**
- Studies, vaccines, organisational support, trainings, logistics, etc

**Liaises with National Focal Points (NFPs)**
- Representatives appointed by national health ministries

**Manages the Third health programme**
- Legacy projects
EU4Health – management lifecycle

Procurement
- Preparation of tender specifications
- Publication of calls*
- Submission of tenders
- Evaluation of tenders
- Opinion from the advisory committee on procurement and contracts (ACPC)*
- Award decision, signature and management of the ensuing contracts, incl. dissemination

Grants
- Call for proposals
- Proposal submissions
- Evaluation & selection
- Signature of grant agreements
- Project monitoring
- Dissemination of final results

* for open calls only
(co-) Funding rates for grants

EU4Health:

- Action grants: up to 60% of eligible costs are co-financed, unless specified otherwise in the specific calls for proposals
- Exceptional utility: up to 80% of eligible costs
- Direct grants (e.g. WHO, ERNs etc.): up to 100%

* Indirect costs included as a flat rate of 7% of the direct eligible costs
## Health programmes | Italy

<table>
<thead>
<tr>
<th>Program</th>
<th>Grants Signed (out of Total)</th>
<th>Grants Contribution (out of Total)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EU4H GRANTS</strong></td>
<td>56</td>
<td>€27.3 M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>€27.3 M</td>
</tr>
<tr>
<td><strong>EU4H Procurements</strong></td>
<td>4</td>
<td>€3 M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>€3 M</td>
</tr>
<tr>
<td><strong>3HP legacy</strong></td>
<td>86</td>
<td>€21.6 M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>€21.6 M</td>
</tr>
<tr>
<td><strong>3HP Procurements</strong></td>
<td>1</td>
<td>€0.3 M</td>
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<tr>
<td></td>
<td></td>
<td>€0.3 M</td>
</tr>
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</table>

*Data cut off: 15th of May*
EU4Health - Ongoing & upcoming calls

• **Grants:** Open Calls for Action Grants
  
  Deadline: mid-October 2023 & [Info Session](#): 30 June 2023

• **Calls for tenders:**
  
  • Service contract to design, develop, deliver and maintain the European Health Emergency Response Authority (HERA) Advanced Technology for Health INtelligence and Action IT System ([ATHINA](#)) - **Deadline: 4 July 2023**

  • [Capacity-building on Mental Health](#): Multidisciplinary Training Programme and Exchange Programme for Health Professionals - **Deadline: 4 September 2023**
Horizon Europe ‘Health’ generates new knowledge and develops innovative solutions to protect people’s health and wellbeing.
Horizon Europe Health goals

Promote:
• social cohesion
• inclusiveness
• health and wellbeing

Make innovative, high-quality health technologies and healthcare:
• available
• affordable

Make healthcare systems more:
• accessible
• sustainable
• digital
HaDEA implements the Horizon Europe Health programme based on Work Programmes

- Funds **projects and initiatives** in health research
- Liaises with **National Contact Points** (NCPs)
- Manages the **Horizon 2020 legacy programme**
HE Health – Project management lifecycle

Research grants

- Call for proposals
- Proposal submissions
- Evaluation & selection
- Signature of grant agreements
- Project monitoring
- Dissemination of final results
(co-) Funding rates for grants

Horizon Europe: Health

- Research and Innovation Actions* (RIA): up to 100%
- Innovation Actions* (IA): up to 70% for for-profit organisations and 100% for non-profit organisations
- Coordination and Support Actions* (CSA): up to 100%
- Pre-Commercial Procurement actions* (PCP): up to 100%
- Public Procurement of Innovative solutions* (PPI): up to 50%

* Indirect costs included as a flat rate of 25% of the direct eligible costs
## Health programmes | Italy

<table>
<thead>
<tr>
<th>Health programme</th>
<th>Number grants signed (out of total)</th>
<th>EU contribution in grants signed (out of total)</th>
</tr>
</thead>
<tbody>
<tr>
<td>*<em>Horizon Europe</em> **&lt;br&gt;Health cluster &amp; Cancer Mission</td>
<td>155</td>
<td>€195.9 m</td>
</tr>
<tr>
<td><strong>H2020 –SC1-health (legacy)</strong></td>
<td>436</td>
<td>€352.1 m</td>
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*Data cut off: 15th of May*
Calls for proposals

Cluster 1-Health

2023 Single-stage calls*
Deadline: 13 April 2023 closed, evaluations ongoing
• 29 topics
  indicative EU budget: €847 million

2024 calls
Two-stage calls
• 9 topics
• Deadline: 19 Sept. 2023 & 11 April 2024
• EU indicative budget: €320 million

Single-stage calls
• 6 topics
• Deadline: 11 April 2024*
• indicative EU budget: €189 million

Cancer mission

2023 Single-stage calls
Deadline: 12 April 2023 closed, evaluations ongoing
• 4 topics
  indicative EU budget: €110.7 million

* except 1 topic – HORIZON-HLTH-2024- DISEASE-09 – deadline 25 Sept. 2024
Programmes managed by HaDEA

Department B, Digital, Industry and Space
Katleen Engelbosch, Head of Department
## The programmes we manage

(MFF 2021-2027)

<table>
<thead>
<tr>
<th>DGs</th>
<th>Programs</th>
<th>HaDEA Budget</th>
<th>Legacy Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DGs</strong></td>
<td><strong>Programmes</strong></td>
<td>€6.1 billion</td>
<td><strong>Horizon 2020</strong></td>
</tr>
<tr>
<td>RTD</td>
<td>Horizon Europe Cluster 4</td>
<td>€1.6 billion</td>
<td>WiFi4EU</td>
</tr>
<tr>
<td>CNECT</td>
<td>Digital, Industry, Space</td>
<td>€0.8 billion</td>
<td>Digital Service Infrastructures</td>
</tr>
<tr>
<td>GROW</td>
<td>CEF2 Digital</td>
<td></td>
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<tr>
<td>DEFIS</td>
<td>Digital Europe Programme</td>
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</table>
B.3.1 Raw Materials
B.3.2 Advanced Materials
B.3.3 Sustainable Products
Horizon Europe (CL4) Space Projects

Ongoing GAP on IBA 2022 (€56 million)
Ongoing evaluation 2023 (€137.5 million)

Horizon 2020 LEIT Space
- 111 projects, €384 million

Horizon Europe Cluster 4 Space
- 46 projects, €218 million

Intergovernmental organization, 22 member states, dedicated to the exploration of space

European Union Agency for the Space Programme

Implementing Horizon Europe CL4 Space for the European Commission

HaDEA.B4

Copernicus, Galileo, Egnos, GovSatCom, IRIS
Digital Europe

Strategic digital capacities in EU (deployment)
- Supercomputing
- Artificial intelligence
- Cybersecurity
- Advanced digital skills
- Ensuring a wide use of digital technologies

Ongoing calls:
- DIGITAL-2022-SKILLS-03- 8 GAPs (Digital Skills) - € 55 million, recently finalized GAP stage
- New call launched on 11/5; evaluation after the summer; GAPs will start Q4 2023.

CEF Telecom (legacy):
Digital Service Infrastructures: Cross-border interaction of public admin, business and citizens
CEF Digital

38 running projects, €149.4m
Calls 2022: €240 million
Calls 2023: €283 million

5G networks
- 5G Corridors (15 projects)
- 5G for Smart Communities (7)

Backbone infrastructures
- Digital Global Gateways (13)
- Cloud Federations (2)

Coordination and support action
- 5G Strategic Deployment Agenda (1)
WiFi4EU in a nutshell

- **30** participating countries
- **8,802** awarded municipalities
- **€132 m** Allocated in vouchers
- **93,369** hotspots
- **231,000** peak daily connections

More info at [WiFi4EU.eu](http://WiFi4EU.eu)
1,170 municipalities signed the Grant Agreement and have been granted with the €15,000 voucher.

1,077 municipalities implemented the project and have installed the Wi-Fi network.

92% implementation rate achieved in Italy.

Italy is among the ten countries with the highest implementation rate of WiFi4EU networks.
WiFi4EU Italy in numbers

- 1,206 active networks
- 4 million connections (May 22 to May 23)
- 12,888 hotspots

Types of Access Points location

- Outdoor spaces 34%
- Education 15%
- Culture/Leisure 19%
- Town hall/Admin 21%
- Other 8%
- Healthcare/Hospital 1%
- Transport 1%
## Digital programmes | Italy

<table>
<thead>
<tr>
<th>Programme</th>
<th>Number of signed grants (out of total)</th>
<th>Budget (EC contribution) for beneficiaries (out of total)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Horizon Cluster 4</strong></td>
<td>74</td>
<td>399.3 million</td>
</tr>
<tr>
<td><strong>HaDEA part – 2021-2022</strong></td>
<td></td>
<td>41.65 million</td>
</tr>
<tr>
<td><strong>DIGITAL</strong></td>
<td>212</td>
<td>1.36 billion</td>
</tr>
<tr>
<td><strong>INDUSTRY</strong></td>
<td>142</td>
<td>142.3 million</td>
</tr>
<tr>
<td><strong>SPACE</strong></td>
<td>46</td>
<td>218.8 million</td>
</tr>
<tr>
<td><strong>DIGITAL</strong></td>
<td></td>
<td>24.17 million</td>
</tr>
<tr>
<td><strong>HaDEA part – 2021-2022</strong></td>
<td>70</td>
<td>182 million</td>
</tr>
<tr>
<td><strong>CEF2 Digital</strong></td>
<td>38</td>
<td>149.50 million</td>
</tr>
<tr>
<td><strong>HaDEA part – 2021-calls</strong></td>
<td>3</td>
<td>4.29 million</td>
</tr>
<tr>
<td>Digital programmes</td>
<td>Italy</td>
<td></td>
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<tr>
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</tbody>
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**Horizon 2020**
*HaDEA part – ending from 2023 onwards*
- Number of signed grants (out of 407 total grants): 251
- Budget (EC contribution) for beneficiaries (out of total 2.68 billion): 264.8

**CEF Telecom**
*HaDEA part – running projects*
- Number of ongoing grants (out of 217 ongoing grants in total): 35
- Budget (EC contribution) for beneficiaries (out of total EC contribution of 118 million): 17

**WiFi4EU (legacy)**
- Active Networks: 1,206
- Access points: 12,888
Calls for proposals
Horizon Europe Cluster 4 – Calls 2024*

HORIZON-CL4-2024-TWIN-TRANSITION-01
- 11 topics
- Deadline: 7 February (single stage & stage 1)
  24 September (stage 2) 2024
- EU indicative budget: €288 million

HORIZON-CL4-2024-RESILIENCE-01
- 9 topics
- Deadline: 7 February (single stage & stage 1)
  24 September (stage 2) 2024
- indicative EU budget: €222,2 million

HORIZON-CL4-2024-DIGITAL-EMERGING-01
- 5 topics
- Deadline: 19 March 2024
- indicative EU budget: €136,5 million

HORIZON-CL4-2024-HUMAN-02
- 1 topic
- Deadline: 10 September 2024
- indicative EU budget: €5 million

HORIZON-CL4-2024-SPACE-01
- 4 topics
- Deadline: 20 February 2024
- indicative EU budget: €46,3 million
Calls for proposals
Digital Europe

DIGITAL-2023-CLOUD-DATA-04
1 topic
• Deadline: 26 September 2023
• indicative EU budget: €6 million

DIGITAL-2023-SKILLS-04
2 topics
• Deadline: 26 September 2023
• indicative EU budget: €16 million

DIGITAL-2023-DEPLOY-04
2 topics
• Deadline: 26 September 2023
• indicative EU budget: €26.2 million

DIGITAL-2023-CLOUD-DATA&AI-05
2 topics
• Deadline: January 2024
• indicative EU budget: €12 million

DIGITAL-2023-SKILLS-05
2 topics
• Deadline: January 2024
• indicative EU budget: €32 million
A Digital Decade to shape EU’s transformation

**VALUES**
- People at the centre
- Sustainability
- Digital rights and principles
- Safety and security
- Participation

**TARGETS**

**Skills**
- **ICT Specialists**: 20 millions + more women in ICT
- **Basic Digital Skills**: min 80% of population

**Infrastructures**
- **Connectivity**: Gigabit for everyone
- **Cutting edge Semiconductors**: double EU share in global production
- **Data – Edge & Cloud**: 10,000 climate neutral highly secure edge nodes
- **Computing**: first computer with quantum acceleration

**Government**
- **Key Public Services**: 100% online
- **e-Health**: 100% of citizens with online access to health records
- **Digital Identity**: 100% citizens have access to digital ID

**Business**
- **Tech up-take**: 75% of EU companies using Cloud, AI or Big Data
- **Innovators**: grow scale ups & finance to double EU Unicorns
- **Late adopters**: more than 90% of European SMEs reach at least a basic level of digital intensity
Synergies
Health & Digital

**EU4Health**
- MyHealth@EU
- eHealth DSI
- Snomed
- European Health Data Space
- HealthData@EU
- IT tool on intelligence gathering
- EU app & smart card for cancer patients

**HE-Cluster 1**
- Tools, technologies and digital solutions for a healthy society
- “Virtual twins” for personalised disease management
- Data Quality/Utility Label for European Health Data Space

**HE-Cluster 4**
- Nanomedicine
- Biomaterials for health innovations
- Biophotonic imaging, sensing techniques for diagnosis, screening, treatment, possibly including augmented reality (AR)

**Digital Europe**
- Digital skills/ AI in health sector
- Masters: digital transformation of health sector

**CEF Digital**
- 5G coverage for healthcare services
- Cloud infrastructure backbone connectivity for health
Looking for funding?

Apply for grants
Funding and Tenders Portal (FTP)

Apply for tenders
eTendering (eTed)

info via the HaDEA website
Remain connected

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- @EU_HaDEA
- European Health and Digital Executive Agency

European Commission
- ec.europa.eu
- @EU_Commission
- EUTube
- European Commission
- EuropeanCommission
- EU Spotify
Thank you