Summary on **European actions** & Dutch actions related to COVID-19 effects, impact and R&I, and extra Green Deal 2020 call

Highlighted = current or upcoming calls or consultations. Blue text = hyperlink or e-mail.

- EC mobilisation of H2020 budget related to COVID-19:
  - 48.5M euro for projects focusing on development of vaccines, novel treatment methods, diagnostic tests. Granted: N=18. Dutch participation: N=9; 1x VU grantee; 1x AUMC grantee.
  - 45M euro to IMI-2, expected 45M euro matching by EFPIA for COVID-19 related call (closed)
  - 150M euro extra for COVID-19 proposals in EIC; attention for proposals by SMEs related to solutions for COVID-19
  - EDCTP calls worth 80M euro for COVID-19 related research & research capacity building in esp. sub-Saharan Africa (deadline of 6 calls in July/August).
  - EIT Health: pooling networks, information, means for COVID-19 related activities
  - A **second H2020 call on COVID-19** will be **launched** in May (**probably 12 May**). Title: second call for an Expression of Interest for innovative and rapid health-related approaches to respond to COVID-19. **Deadline 4 weeks after launch.**
    See the embedded pdf file for more info.

- Scoping areas:
  - mental health & health inequalities
  - analyse & compare outbreak responses, impact on behaviour, society & economy
  - establish pan-European large scale COVID-19 cohorts (=> measures for effective prevention, optimized treatment, longer-term consequences, viral mechanisms, etc.).
  - adaptation of manufacturing & resilience to improve industrial systems response
  - medical technologies, digital tools, AI analytics: improving surveillance & care (high TRL)

Hence, this call seems to be applicable for all faculties and many institutes and research groups at the campus! We believe that these new calls provide real opportunities for our researchers. We will keep you informed on further details. If you have any questions please contact the Subsidiedesk VU (E: subsidiedesk@vu.nl).

- H2020 update on WP2020 related to COVID-19 (expected May 2020)

- EC actions due to impact of COVID-19 on R&I:
  - **Call deadlines:** **non-COVID-19 health-related postponed to June**
  - Current projects: reporting can be lean and mean but needs to be finalised later on
  - Extension of ongoing projects is possible up to 6 months, budget-neutral (despite issues for e.g. temporary personnel and facility use). EC recommends shift of tasks.

  - And COVID-19 related information for MSCA grantees and project managers can be found via: [https://ec.europa.eu/research/mariecurieactions/resources/corona-information-MSCA_en](https://ec.europa.eu/research/mariecurieactions/resources/corona-information-MSCA_en)

- Horizon Europe and COVID-19 impact:
  - Strategic planning for Horizon Europe 2021-2024 workprogrammes: EU R&I investment will support public health sectors and mitigating the socio-economic impact of the COVID-19 crisis and other infectious diseases. This will affect mainly pillar 2 (global challenges: areas within clusters and cross-cluster issues; partnerships – discussion on a specific partnership
for pandemics; missions – are asked to embark on pandemic-related issues). Revised goals and areas in clusters are in the annex***.

- Start of programme: scheduled for 1 January 2021 but may be delayed by 3 to 12 months.

- **ERAvsCorona 10 point action plan** (to align national and EU activities related to COVID-19):
  - Launch of European COVID-19 Data Platform to enable the rapid collection and sharing of available research data. Is part of the ERAvsCorona Action Plan (point 9)*.
  - NL COVID-19 Research Data Support Infrastructure initiative has been launched to support researchers and healthcare professionals providing data services and tools (Health-RI).
  - All ministries and the European Commission stress that engagement of citizens in all actions of this plan is needed.

- **NL mobilisation of budget**:
  - 42M euro for research related to COVID-19
  - 50M euro contribution to CEPI (coalition on epidemic preparedness innovations) focusing on vaccine research (apart from 50M euro contribution by EC H2020)
  - advocating flexible use of ESIF budget for COVID-19 related activities

- **Other H2020 update on WP2018-2020**
  - SWAFS updated workprogramme: financing research dimension of European Universities (Aurora submitted European Universities proposal in 2nd pilot; once granted the research SWAFS call can be of interest).
  - **Extra call Green Deal** (publication in September 2020; with Subsidiedesk VU-coordinated input from VU on policy text):
    Green Deal call**: about 1 B euro; 11 politically defined areas; need for concrete results at higher TRL, highly visible with impact; short term (±3 years); systematic, transdisciplinary and intersectoral approach; innovative. Expected deadline submissions: January 2021.
    - **Actions for VU and Amsterdam UMC**: stakeholder consultation on call text early May. **May we contact you for input?**
    - **Ongoing action for VU teams**: think of potential topic and partners incl. Aurora for proposal (currently interested: Earth Sciences VU; Spatial Economics VU; Urban Studies UDE).
      (coordination: Subsidiedesk VU).
Annex: elaboration on action plan, Green Deal call and HEU strategic planning.

*: ERAvsCorona 10 point action plan (with Subsidiedesk VU organised input from VU and Amsterdam UMC):
1. Coordination of R&I funding against the Coronavirus
2. Extending and supporting large EU wide clinical trials for clinical management of Coronavirus patients
3. New funding for innovative and rapid health-related approaches to respond to coronavirus and deliver quick results relevant to society and a higher level of preparedness of health systems
4. Increasing support to innovative companies
5. Creating opportunities for other funding sources to contribute to R&I actions on Coronavirus
6. Establish a one-stop shop for Coronavirus R&I funding
7. Establish an ad-hoc High Level R&I Task Force on the Coronavirus
8. Access to Research Infrastructures
9. Research data sharing platform
10. Pan-EU Hackathon to mobilise European innovators and civil society (24-26 April; ± 500 from NL)

**: Green Deal call 2020 - structure of areas

***: revised proposal of Key Strategic Orientations and expected impacts – HEU Strategic Plan 2021-2024 - Updated on April 17, 2020

<table>
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<tr>
<th>KEY STRATEGIC ORIENTATIONS (KSO)</th>
<th>RELATED EXPECTED IMPACTS</th>
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<td>KSO 1 “Preserving and restoring ecosystems and biodiversity and managing sustainably natural”</td>
<td>2, 13, 19, 23, 25, 31, 32, 33, 35, 36 (10 impacts)</td>
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resources on land and sea, and achieving climate neutrality and adaptation”.

| KSO 2 “Ensuring food and nutrition security through sustainable food systems from farm to fork” | 1, 21, 23, 31, 33, 34, 36 (7 impacts) |
| KSO 3 “Transforming the EU industry for a clean, more bio-based, climate-neutral, circular and competitive economy”. | 6, 12, 19, 21, 25, 28, 29, 33 (8 impacts) |
| KSO 4 “Delivering clean, sustainable, competitive, secure, safe and smart energy and mobility for climate neutrality”. | 12, 14, 16, 19, 21, 23, 25, 26, 27, 28, 29, 30, 36 (13 impacts) |
| KSO 5 “Securing EU global industrial leadership and strategic autonomy in key technologies”. | 6, 16, 17, 19, 20, 21, 22, 23, 26 (9 impacts) |
| KSO 6 ‘Enhancing the health, and well-being of all citizens and tackling inequalities’. | 1, 2, 3, 4, 5, 6, 9, 10, 11, 12, 13, 16, 19, 24, 35 (15 impacts) |
| KSO 7 “Strengthening EU democracies and empowering all citizens to act in the transitions”. | 7, 8, 11, 12, 15, 18, 26, 35, 36 (9 impacts) |
| KSO 8 “Shaping technologies and innovations that work for people.” | 4, 5, 9, 10, 12, 17, 21, 24, 28 (9 impacts) |
| KSO 9 “Stepping up EU resilience, inclusiveness and preparedness to respond to disasters, security challenges, emerging threats and improved border management”. | 1, 3, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24 (17 impacts) |
| KSO 10 “Leading the way and joining forces internationally for the transition to sustainability” | 1, 2, 3, 6, 10, 12, 13, 14, 15, 17, 19, 21, 25, 26, 27, 31, 32, 34, 36 (19 impacts) |
### REVISED EXPECTED IMPACTS PER CLUSTER

#### CLUSTER 1 Health

1. Citizens stay healthy in a rapidly changing society thanks to healthier lifestyles and behaviours, improved evidence-based health policies, and more effective solutions for health promotion and disease prevention.

2. Living and working environments are health-promoting and sustainable thanks to better understanding of environmental, occupational, social and economic determinants of health.

3. Health care providers are able to tackle diseases (infectious diseases, including poverty-related and neglected diseases, non-communicable and rare diseases) and reduce the disease burden effectively thanks to better understanding of diseases and using more effective health technologies.

4. Health care systems provide equal access to innovative, sustainable and high-quality health care thanks to the development and uptake of cost-effective and people-centred solutions, as well as improved evidence-based health policies.

5. Health technologies, new tools and digital solutions are applied effectively thanks to their inclusive, secure and ethical development, delivery and integration in health policies and health and care systems.

6. EU health industry is more innovative, sustainable and globally competitive thanks to improved up-take of breakthrough technologies and innovations.

#### CLUSTER 2 Culture, Creativity and Inclusive Society

7. Democratic governance is re-invigorated by improving the accountability, transparency and effectiveness of democratic institutions, safeguarding fundamental rights and the rule of law, and tackling multidimensional threats.

8. Trust in democracy is restored through the expansion of active and inclusive citizenship.

9. Better protection of historical sites and monuments, cultural landscapes, museums, archives, as well as languages, customs and traditions is achieved through innovative policies, methodologies and citizens’ participation.

10. Better value, access to, protection and sustainability of cultural heritage across Europe is ensured through innovative cultural and creative sectors.

11. Inclusive growth is boosted through evidence based policies for enhancing employment, education, social agenda and tackling inequalities.

12. Social and economic sustainability are strengthened through a better understanding of the social, ethical, political and economic impacts of drivers of change (technology, globalisation, demographics, mobility and migration).
**CLUSTER 3 Civil Security for Society**

13. Losses from natural, accidental and man-made disasters are reduced through better societal resilience and improved disaster risk management.

14. Legitimate passengers and shipments travel more easily into the EU, while illicit trades, terrorists and other criminals are prevented, thanks to improved border management and maritime security.

15. Crime and terrorism are more effectively tackled thanks to a better understanding of societal factors and the development of cutting-edge capabilities for law enforcement agencies.

16. Resilience and autonomy of physical and digital infrastructures are enhanced and vital societal functions are ensured with the help of modern technologies, as well as better cooperation between stakeholders.

17. Cybersecurity and a secure online environment are increased by effective use of digital technologies supporting protection of data and networks, while respecting privacy and other fundamental rights, and promoting a robust digital infrastructure to counter cyber-attacks.

18. Security threats are more effectively addressed thanks to better cross-cutting knowledge across different areas of security, enhanced implementation of the research and innovation cycle and improved uptake.

**CLUSTER 4 Digital, Industry and Space**

19. Global leadership in clean and climate-neutral industrial value chains, circular economy and climate-neutral digital systems and infrastructures (networks, data centres) through innovative production and manufacturing processes and their digitisation, new business models, sustainable-by-design advanced materials and technologies enabling the switch to decarbonisation in all major emitting industrial sectors, including green digital technologies.

20. Globally attractive, secure and dynamic data-agile economy by developing and enabling the uptake of the next-generation computing and data technologies and infrastructures, including space infrastructure and data), enabling the European single market for data with the corresponding data spaces; and a trustworthy artificial intelligence ecosystem.

21. Industrial leadership and increased autonomy in key strategic value chains with security of supply in raw materials, achieved through breakthrough technologies in areas of industrial alliances, dynamic industrial innovation ecosystems and advanced solutions for substitution, resource and energy efficiency, effective reuse and recycling and clean primary production of raw materials, including critical raw materials.

22. Sovereignty in digital technologies and in future emerging enabling technologies by strengthening European capacities in key parts of digital and future supply chains, allowing agile responses to urgent needs, and by investing in early discovery and industrial uptake of new technologies.
23. Strategic autonomy in developing, deploying and using global space-based infrastructures, services, applications and data, by reinforcing the EU’s independent capacity to access space, and securing the autonomy of supply for critical technologies and equipment.

24. Human-centred and ethical development of digital and industrial technologies ensured through a two-way engagement in the development of technologies, empowering end-users and workers, and supporting social innovation.

**CLUSTER 5 Climate, Energy and Mobility**

25. Transition to a climate-neutral society enabled through advanced climate science and responses for climate mitigation and adaptation.

26. Clean and sustainable transition of the energy and transport sectors towards climate neutrality facilitated by innovative cross-sectoral solutions.

27. More efficient, clean, secure and competitive energy supply thanks to new solutions for smart grids and energy systems based on more performant renewable energy solutions.

28. Efficient and sustainable use of energy, accessible and safe for all is ensured thanks to a clean energy system and a just transition.

29. Towards climate-neutral and clean solutions across all transport modes through new technologies solutions while increasing global competitiveness of the EU transport sector.

30. Safe, seamless, smart, inclusive and sustainable mobility services developed/ensured thanks to digital technologies and advanced satellite navigation services.

**CLUSTER 6 Food, Bioeconomy, Natural Resources, Agriculture and Environment**

31. Climate neutrality is built by reducing GHG emissions and enhancing the carbon capture and storage in ecosystems, production systems on land and at sea as well as rural, coastal and urban areas, where the adaptation to climate change is also fostered.

32. Biodiversity decline is halted and ecosystems are preserved and restored on land and at sea through improved knowledge and innovation.

33. Sustainable and circular management and use of natural resources as well as prevention and removal of pollution are mainstreamed, unlocking the potential of the bio economy, boosting competitiveness and guaranteeing healthy soil, freshwater, seas and air for all, through better understanding of planetary boundaries and deployment of innovative technologies and other solutions, notably in primary production, forestry and bio-based systems.

34. Food and nutrition security for all within planetary boundaries is ensured through knowledge and innovations in agriculture, fisheries, aquaculture and food systems, which are sustainable, inclusive, safe and healthy from farm to fork.

35. Rural, coastal, peri-urban and urban areas are developed in a sustainable, balanced and inclusive manner thanks to a better understanding of the behavioural, socio-economic and demographic drivers of change as well as digital, social and community-led innovations.
36. Innovative governance models enabling sustainability are established in collaboration with international partners through enhanced use of new knowledge, tools, foresight, environmental observations as well as digital, modelling and forecasting capabilities.