



# Insights on Horizon Europe

EFI Annual Conference, Aberdeen

18th September 2019

Martin Greimel



# Horizon Europe update



## Trilog (EC/MS/EP)

- Agreed on Specific Programme (April 2019)
- Agreement on budget (Autumn 2019)
- Finalisation of Horizon Europe: mid 2020/ Start 1.1.2021

## Next

- 1. Strategic plan 2021 – 2024 (Adoption: mid 2020)
  - » Public online consultation called „orientation“
  - » Discussions with umbrella organisations and MS Shadow Committee
- Implementation strategy (Adoption: end 2019)
  - » Organisation of calls, evaluation of proposals, grant agreements and project management
  - » Public online consultation called “co-design exercise”

# Horizon Europe – 100 Billion €



## PROGRAMMES

New knowledge, skills and technologies



### Excellent Science

- European Research Council (ERC)
- Marie-Skłodowska-Curie-Actions (MSCA)
- Research Infrastructures

**25,8** Mrd.

Research and innovation to tackle global challenges



### Global Challenges and European Industrial Competitiveness

- 1) Health
- 2) Culture, creativity and inclusive society
- 3) Civil security for Society
- 4) Digital, Industry and Space
- 5) Climate, Energy and Mobility (15)
- 6) Food, Bioeconomy, Natural Resources, Agriculture and Environment (10)

**52,7** Mrd.

Innovation and market entry



### Innovative Europe

- European Innovation Council (EIC)
- European Innovation ecosystems
- The European Institute of Innovation and Technology (EIT)

**13,5** Mrd.

### Widening participation and strengthening the European Research Area

- Widening participation and Spreading excellence
- Reforming and enhancing the European R&I System

**2,1** Mrd.

# CLUSTER 5: „CLIMATE, ENERGY AND MOBILITY



## 9 Interventions areas:

- Climate science and solutions
- Energy supply
- Energy systems and grids
- Buildings and industrial facilities in energy transition
- Communities and cities
- Industrial competitiveness in transport
- Clean safe and accessible transport and mobility
- Smart mobility
- Energy storage

# CLUSTER 6: Food and natural resources



## 7 Intervention areas:

- Environmental observation
- Biodiversity and natural capital
- Agriculture, **forestry** and rural areas
- Sea, oceans and inland waters
- Food systems
- Bio-based innovation systems
- Circular systems

# Implementation of Horizon Europe (Proposal EC)



- Work Programme design

NEW:

- Multiannual Call topics
- TRL prescription
- New definition of “Impact”
- Applicants can decide on type of Action (RIA/IA/CSA)

- Submission and Evaluation

NEW:

- Blind evaluation in first stage
- Management structure not needed/evaluated any more
- Reduced aspects for first stage evaluation
- Allow substantial changes between stages
- Transparent criteria for prioritising tied scores (increase range above threshold)
- Pilot scheme to allow reaction on preliminary evaluation comments

- Model Grant

NEW:

- Only 3 different Model Grant Agreements (now 40)
- Simplified personnel cost calculation
- Increase “lump sum” projects
- Clarification regarding “Third party” “In-kind contribution”, “International organisations”

# Implementation of Horizon Europe

- Dissemination and Exploitation

NEW:

- Increased focus
- Encouragement for Third Party exploitation
- Horizon Results Platform
- Financial incentives for reporting after end of project duration
- Strengthening feedback to policy

- Data and Reporting

NEW:

- Horizon Dashboard will include information on all individual researchers involved in Projects
- Creation of a central data hub through linking with external data (e.g. MS data) sources

- Partnerships (e.g. EraNets, JPI, JU)

NEW:

- Restricted Nr. of partnerships (proposed: 44 +3)
- Budget proposal: 25% of Pillar 2: ~13 Billion €
- Impact assessment of ongoing partnerships
- Launch of new partnerships early 2021

# Types of partnerships



- **Institutionalised** partnerships
  - Art. 185 (PRIMA) or Art.187 (BBI)
  - EIT KIC (e.g. Raw Materials)
- **Co-programmed** partnerships (JPI type?)
  - MoU/Contracts between EC and public/private partners
  - Establishment of a common strategy/agenda
  - Budget contribution from all partners (financial/in-kind)
- **Co-funded** partnerships (EraNet cofund type?)
  - Combined funding EC- Partners (financial/in-kind)



# Partnerships relevant for Forestry



## Cluster 5:

- Built environment and construction (Co-Programmed) (*former Energy efficient buildings*)

## Cluster 6:

- Towards more sustainable farming: agro-ecology living labs and research infrastructures (Co-Funded) (*former JPI FACCE*)
- Rescuing biodiversity to safeguard life on Earth (Co-Funded) (*former Era Net Biodiversa*)
- European Partnership for a Circular bio-based Europe: sustainable innovation for new local value from waste and biomass (Art187/Co-Programmed) (*former JU BBI*)
- Forestry (Co-Funded) ??? (decision 12/9 Shadow Committee meeting)



European Partnership Proposal under Horizon Europe

Future Forests and Forestry: strengthening  
trans national R&I cooperation in the forest  
based sector and beyond

Ministry of Agriculture and Forestry in Finland

ERA NET Cofund Action “ForestValue Innovating the forest based bioeconomy (Grant Agreement 773324)

“Revision Team” called together by SCAR SWG Forest (incl. FTP, EFI, Innovawood)

# Horizon Europe – „Missions“



- High ambition/profile - to have a strong impact (“Man on the Moon”)
- Small number of "visible" missions, shared design between EC, MS and stakeholders
- Inclusion of society, cross-sectoral and multidisciplinary orientation
- Implementation rules for Missions will be ready by end 2019, strategic plans ready by early 2020
- Proposed budget: 10% of Pillar 2 (~140 M€/Mission/year)

## Mission Areas:

1. Adaptation to Climate Change, including Societal Transformation
2. Cancer
3. Healthy Oceans, Seas, Coastal and Inland Waters
4. Climate-Neutral and Smart Cities

5. Soil Health and Food

**MB Chair: Cees Veerman, former Dutch Agriculture Minister**  
**Forestry expert: Emil Cienciala; Institute of Forest Ecosystem IFER Ltd.**  
**and Global Change Research Institute (GCRI), CAS (EFI member)**

Mission boards (2200 proposed members) 15 Experts/board: Task is to propose 1 to 2 concrete themes/Mission as a starter

# COST Update



- **Old Structure: Forest, Products and Services Domain**
  - 36 COST Actions dedicated to Forestry (excl. Wood/Fiber) 2006 to 2014
    - 4 Actions/year
- **New COST Structure since 2015**
  - New evaluation and selection procedure favouring interdisciplinary and multidisciplinary Actions
  - Forest related COST Actions since 2015: 4
    - < 1 Action/year
  - But if searched for Biodiversity: 11 Actions found

# Conclusion



- **Structure of Horizon Europe not much different to H 2020**
- **Instead of SC there will be Clusters**
  - Environment not a separate Cluster
- **Not a specific Forest Programme but good chances in Cluster 5 and 6**
- **Devil is in the details:**
  - Partnership reorganization is threaten the success for the Forest Community
  - **Needs EFI members help to establish a Forest related Partnership**
- **COST Actions led to several H2020 project application**
  - **Need to continue networking:**
    - **EFI Network Fund, SNS network, IUFRO,...**
  - **New COST applications: think out of the box!!**

**Martin Greimel**

---

**Center for Bioeconomy**

BOKU Rektorat

Gregor-Mendel-Strasse 33/DG

1180 Vienna

Mobil: +43 664 8546102

Tel: +43 01 47654 10120

email: [martin.greimel@boku.ac.at](mailto:martin.greimel@boku.ac.at)

