

**crp2019 – 38th Conference of Rectors and Presidents of
European Universities of Technology
Budapest University of Technology and Economics (BME)
September 13th and 14th, 2019**

Horizons of European Research and Innovation:

Experiences of Horizon 2020 and perspectives for Horizon Europe

Introducing the Conference

**Manfred Horvat
Coordinator**

Some first steps toward wider integration of European engineering education and research

- **1980: 1st Conference of Rectors and Presidents of European TUs**
- **1985: SEFI Task Force for Eastern Europe**
 - Attracting EE TUs in European university networks
- **First contact to TU Budapest in 1985:**
 - TU Budapest joining SEFI WG for CEE in 1986
- **crp1988 at TU Warsaw:**
 - The change in Technical Universities at the turn of the 20th and 21st century connected with the results of scientific revolution
- **crp1990 at TU Budapest:**
 - Continuing Engineering Education – a main task for universities 1990-2000
- **1990: Foundation of CESAER as “spin-off” from crp**
- **University networks as “avant-garde” of European integration**

EU Framework Programmes (FPs) and Universities of Technology (TUs)

- **TUs are the strongest group of institutions in the FP**
- **Importance of cooperation between TUs and between TUs and industry and others**
- **Contributions of TUs to building the European Research Area (ERA)**
- **European research cooperation crucial for maintaining Europe's position in the global multi-polar R&I landscape**

Some results of FP evaluations and reviews

- **FP: largest competitive R&I programme worldwide**
 - From ECU 3,75 bn (FP1) to EUR 100 bn (FP10)
- **FPs fund top-quality R&I**
- **Clear correlation between growth of FPs and growth of high-quality international co-publications**
- **FP participants perform better than non-participants in bibliometric terms**
- **FP attracts the best researchers (not-all) and most research intensive companies**

Challenges and opportunities

- **Reaching 3% of GDP for research expenditures**
 - Prioritise R&I at EU and national level
- **Utilization and exploitation of research results**
 - Strengthen economic and societal impact of FPs
- **Strengthening EU integration in R&I and maintaining the EU's position in the global R&I landscape**
 - Reduce fragmentation and strengthen coordination and cooperation between member states
- **Transdisciplinarity for addressing global challenges**
 - Integrate natural and social sciences and humanities – involving non-academic actors
- **Developing the FP as the global R&I programme**
 - Get used to China's rise and make the best out of it

crp2019: Participants main interests of

- **FPs: Past experiences and future expectations**
- **EU: Global challenges, industrial competitiveness**
- **Future university structures for success**
- **Keeping the right balance between blue sky research, strategic frontier research, applied research, mission oriented research, ...**
- **Researcher mobility for career development and institutional networking and cooperation**
- **Open science, open innovation**
- **University strategies for international cooperation**
- **Gender equality and ethics in HORIZON Europe**

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Thank you for your attention!

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