



European Institute of
Innovation & Technology

Yrjö Neuvo Jubilee

Education, research and innovations:
Predicting the unpredictable

October 3, 2020

Yrjö and Innovation Policy

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The EIT is a body of the European Union

National innovation policy with Yrjö during 15 min taxi ride

Yrjö: Nokia Research Center has ambitious plans, they need help from top mathematicians

Marja: UH Kumpula campus attracts only wannabe Field medallists – no interest in applications

Result: Kumpula and NRC got together

Kumpula realized: NRC's futuristic ambitions need frontier mathematics

NRC realized: Kumpula mathematicians are brilliant and willing to collaborate

Outcome: Joint research programme established

Funding from Teknologiateollisuuden 100-vuotissäätiö

Impact: Industrial Mathematics programme established on Kumpula campus

New professorship - attracted best mathematicians of Finland

Experts in applied mathematics impact numerous sectors of society



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Yrjö at the European level : Founding of EIT European Institute of Innovation and Technology

EIT since 2010, body of European Commission
EU funding 2,4 – 3 B€ per Horizon programme

Mission

Translation of Europe's research strengths to benefits for society

By creation of ecosystems

- enhancing companies' access to talent, innovation know-how, partners and market opportunities
- integrating research, business and education



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EIT today

Built on foundations created by Yrjö et al

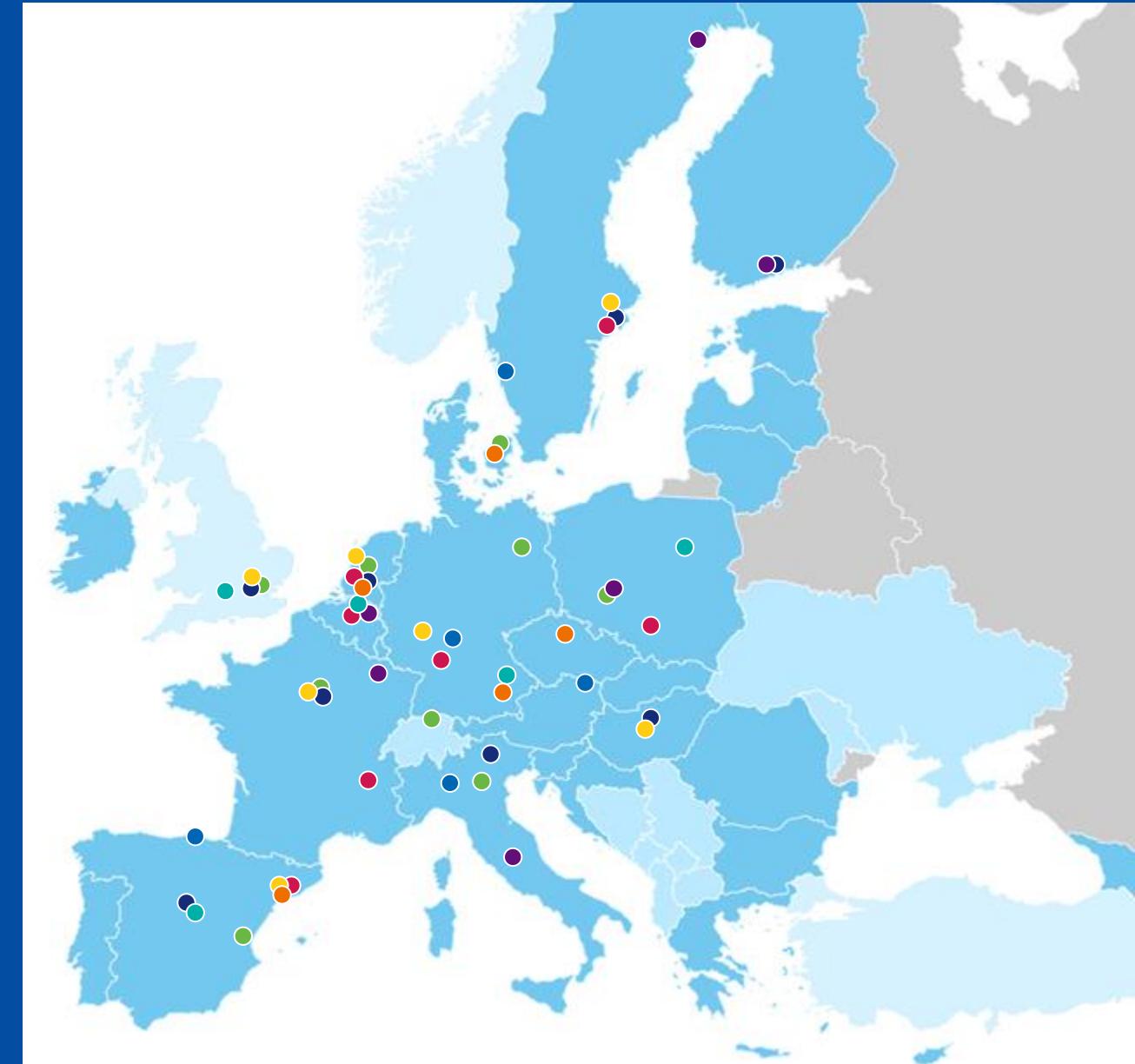
- Thematic Knowledge and Innovation Communities
- Each KIC has Headquarter and network of nodes in different countries – 60 Innovation Hubs

- EIT Climate-KIC 2010
- EIT Digital 2010
- EIT Food 2017
- EIT Health 2015
- EIT InnoEnergy 2010
- EIT Manufacturing 2019
- EIT RawMaterials 2015
- EIT Urban Mobility 2019

EIT RIS Entities



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9th KIC: Culture and creative Industries?

After EIT's consolidation: New kid on the block - European Innovation Council

EIC: 10 B€ + 5 B€ from EIC Fund; Horizon Europe 2021-2027

Support to develop breakthrough innovations in deep tech with potential to create new markets and boost jobs and growth

For individual researchers (grants) and SMEs (grants + M€ equity)

EIT and EIC: perfect synergy

EIC supports researchers and start-ups/SMEs to enter markets and scale up

EIT provides them its Europe-wide ecosystem of 1500 partners: companies, universities, cities

Offers building of innovation capacity together with top universities in cross-border educational programmes



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Thank you Yrjö

For your impactful contributions!

Collaboration continues in frame of the
Millennium Technology Prize



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