Kyrre Aas, EU-R&D unit- UiS, IRIS (NORCE), SUS , HVL og VID
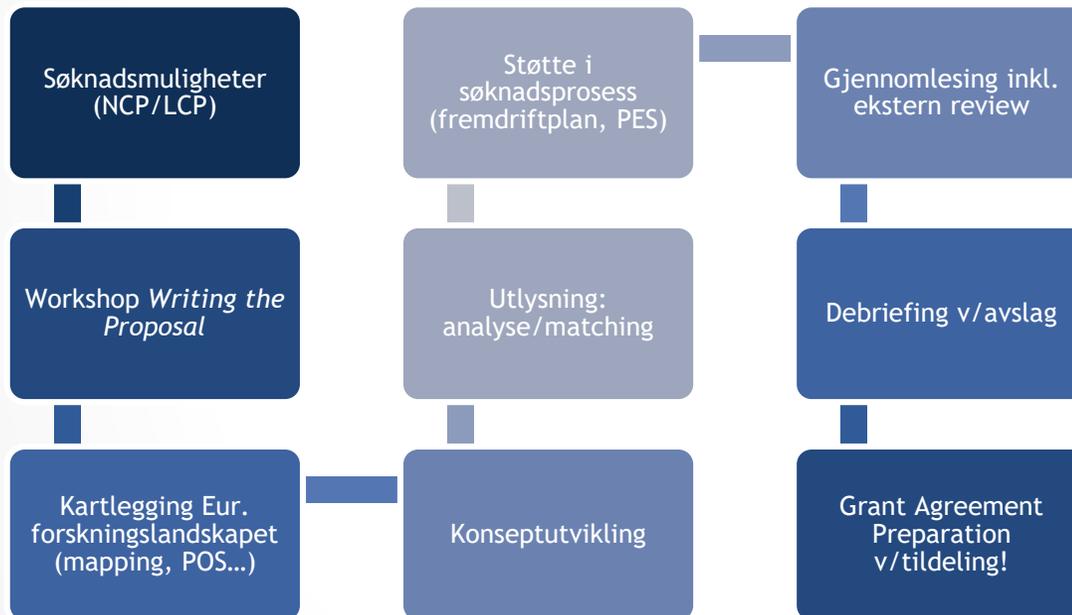
Synergies of using Horizon 2020 and Erasmus+
- Research/Education

HVL Staff Week

EU-R&D unit- Horizon 2020

EU- R&D unit

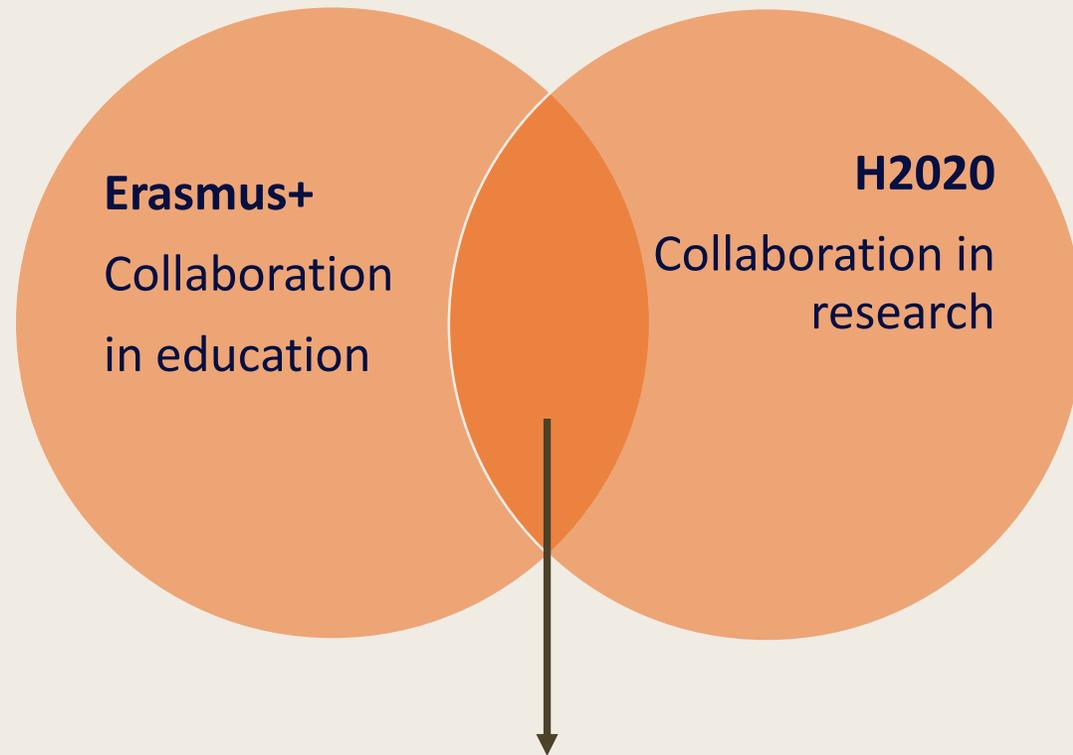|		
Søknadsmuligheter (NCP/LCP)	Støtte i søknadsprosess (fremdriftplan, PES)	Gjennomlesing inkl. ekstern review
Workshop *Writing the Proposal*	Utlysning: analyse/matching	Debriefing v/avslag
Kartlegging Eur. forskningslandskapet (mapping, POS…)	Konseptutvikling	Grant Agreement Preparation v/tildeling!

Regional cooperation

Between UiS/IRIS (NORCE)/SUS/HVL og VID

Success criteria:
- Strong and visible research groups
- **Networks, networks, networks**
- High leadership attention
- Administrative support
- Support mechanisms/incentives

-Industry/public sector involvment
Horisont vest (2018-2020- Project financed by RCN).

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Erasmus+
Collaboration in education

H2020
Collaboration in research

- Your networks, partnerships,consortiums, cooperation agreements
- Institutional and academic networks (ECIU, NORDTEK, SIBELIUS and NORDPULS, NORDLYS, etc.)

Institutional perspective- Horizon/Erasmus+

- The strategic goals for Horizon 2020 and Erasmus+ participation is the same and will help quality research and education through cooperation with leading European and international groups
- Approaches and methodology are to a large extent the same
- Participation in EU's Framework programmes for research and innovation has for a long time been given high strategic and institutional attention
- Participation in EU's education programmes is getting increased attention both from the research groups and from the leadership; the interest in participation is increasing across universities

A systematic assessment of the opportunities to benefit from established Horizon 20202 consortia/partnerships/networks for Erasmus+ (and vice versa) is possible and should be a priority

European Universities network- pilot

Press Release

○ [**ECIU shares 10 criteria to maximise the impact of European Universities Networks**](#)

Europe needs universities that dare to truly and continuously innovate education and maximise their societal impact. European Universities Networks offer an important opportunity to catalyse educational innovations, such as student-centred learning, flexible education and European curricula. The European Consortium of Innovative Universities (ECIU) supports the development of ambitious European Universities Networks by sharing ten criteria, including five ideas for activities to be funded.
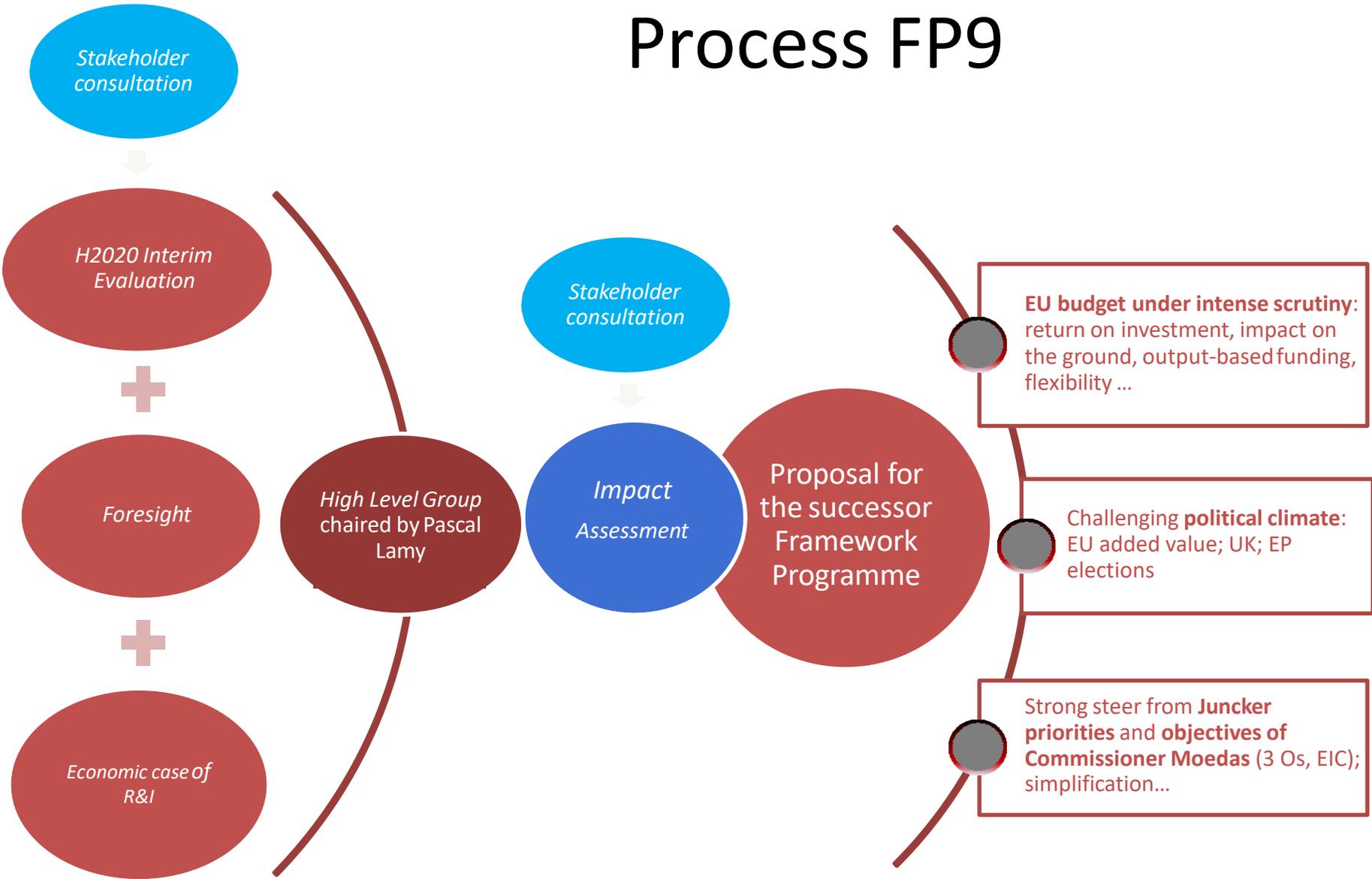
European Universities Networks must invest in integrated education, research and innovation activities. To realise this, it is crucial that EU education, research and innovation funding is combined, so that there is one call for all activities

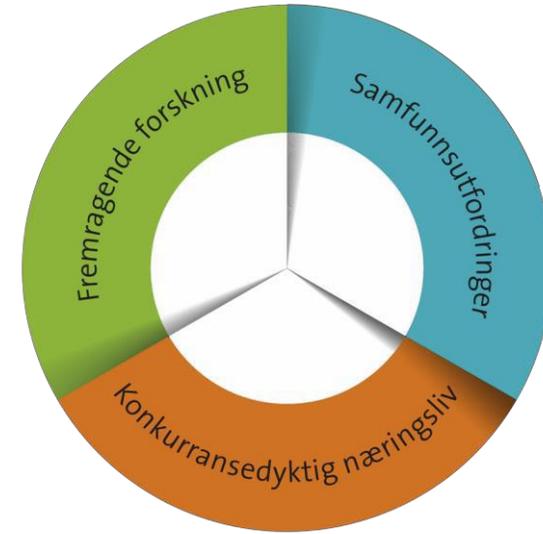University of Stavanger

Horizon Europe (FP9) and Erasmus+

○ Horizon (**€97.9 billion**) and Erasmus+ (**€30 billion**) are the only EU programmes that have not been cut. Both have shown real EU added value, and that's what this budget proposal is truly about, according to Oettinger (EU commissioner for budget). It is up to the European Parliament and the Member States to agree on the final budget in the coming months. The European Council meeting on 28-29 June will be the first important milestone.

○ The Erasmus+ and Horizon Europe (FP9) programme proposals will be published on 30 May and 7 June.

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Process FP9

Stakeholder consultation

H2020 Interim Evaluation

+

Foresight

+

Economic case Of R&I

High Level Group chaired by Pascal Lamy

Stakeholder consultation

Impact Assessment

Proposal for the successor Framework Programme

EU budget under intense scrutiny: return on investment, impact on the ground, output-based funding, flexibility ...

Challenging **political climate**: EU added value; UK; EP elections

Strong steer from **Juncker priorities** and **objectives of Commissioner Moedas** (3 Os, EIC); simplification...

FP9- Structure?

- Open Science (pillar 1)- similar to Excellent Science (except FET) in Horizon 2020
- Global Challenges (pillar 2)- Includes societal challenges (SC) and Key Enabling Technologies (KET) (>50% of budget)
  - Missions related to SC and KET
- Open Innovation (pillar 3)- European Innovation Council (EIC), FET, SMEs etc.
- Strenghtening ERA

Norwegian suggestions for FP9

1) Green innovation and competitive low carbon energy

2) Blue Growth - Oceans

3) Societal security, resilience and social cohesion

4) Digitalisation

EU R&D unit UiS/IRIS/SUS/HVL/VID vitenskapelige høgskole

Horizon 2020. Marie Skłodowska-Curie Actions (MSCA)

Horizon 2020

Excellent Science	Industrial Leadership	Societal Challenge
• **European Research Council**	• **Leadership in Enabling and Industrial Technologies**	• **Health, demographic change and wellbeing**
Frontier research by the best individual teams (ERA)	Space	• **Food security, sustainable agriculture and forestry, marine and maritime and inland water research, and the Bioeconomy**
• **Future and Emerging Technologies**	Nanotechnologies, Advanced Materials, Advanced Manufacturing and Processing, Biotechnologies	• **Secure, clean and efficient energy**
Collaborative research to open new fields of innovation	ICT	• **Smart, green and integrated transport**
• **Marie Skłodowska Curie Actions**	• **Access to Risk Finance**	• **Climate action, environment, resource efficiency and raw materials**
Opportunities for training and career development	Leveraging private finance and venture capital for research and innovation	• **Europe in a changing world - inclusive, innovative and reflective societies**
• **Research Infrastructures, including e-Infrastructures**	• **Innovation in SMEs**	• **Secure societies - protecting freedom and security of Europe and its citizens**
Ensuring access to world-class facilities	Fostering all forms of innovation in all types of SMEs	

Spreading Excellence and Widening Participation

Science with and for Society

European Innovation Council (EIC) Pilot

Focus Areas

European Institute of Innovation and Technology (EIT)

Euratom

Marie Skłodowska-Curie Actions

- Operates on a '**bottom-up**' basis
- For any research and innovation ideas (basic research; market take-up)
- **Mobility** (cross-border and cross-sector) is a key requirement
- Enhance skills of **people behind research and innovation**
- Strong participation across sectors
- Dissemination and **public engagement** - public outreach
- **Gender balance** – equal opportunities in the research content

Marie Skłodowska-Curie Actions

For institutions

- Run and take part in collaborative cross-border, cross-sector research, researcher training and/or staff exchange programmes on a research topic and field of their choice
- Employ talented, well-funded researchers in any research field

For individuals

- Well-remunerated 1-3 year research fellowships in the best research facilities in their field in Europe and overseas
- PhD studies in the context of a pan-European research training network
- Exposure to work in the non-academic sector

UKRO
UK RESEARCH OFFICE

Marie Skłodowska-Curie Actions (MSCA) in H2020

ITN
Innovative Training Networks

What does it offer?
High-quality research training delivered through interdisciplinary networks, industrial doctorates or joint doctorates.

Who applies?
International networks of research organisations from the academic and non-academic sectors

Who is funded?
Researchers at doctoral level (less than 4 years of full-time research experience and no doctoral degree)

IF
Individual Fellowships

What does it offer?
Opportunities to work on personal research projects by moving between countries and possible sectors to acquire new skills.

Who applies?
Individual researchers together with the host organisations

Who is funded?
Experienced Researchers

RISE
Research & Innovation Staff Exchange

What does it offer?
The exchanges of staff members involved in research and innovation to develop sustainable collaborative projects and the transfer of knowledge.

Who applies?
International networks of research organisations from the academic and non-academic sectors

Who is funded?
Researchers, technical administrative and managerial staff of any nationality and at all career levels

COFUND
Co-Funding of Regional, National & International Programmes

What does it offer?
Regional national or international programmes to foster excellence in training mobility and career development of researchers

Who applies?
Organisations funding or managing doctoral or fellowships programmes

Who is funded?
Researchers at doctoral and postdoctoral level

Individual Fellowships (IF)

- Individual grant for **experienced researchers** to support their *mobility*, *research project* and *training*

- Opportunity to gain new knowledge **in** and **outside academia**, work on research projects **in** or **outside Europe**

- **Fully-funded** fellowships (salary, travel, research costs) hosted by **academic** or **non-academic** organisation

- No nationality, age or career stage restrictions

- Specific support for **return** of researchers to Europe (RI) and career **restart** for individuals with high potential who have been out of active research (CAR)

Types of IF

○ **European Fellowships**
- Held in the [EU or associated countries](#).
- Open to researchers either coming to Europe or moving within Europe.
- Can help to restart research careers after a break such as parental leave.
- Can also help reintegrate researchers coming back to Europe.

○ **Global Fellowships**
- Fund secondments outside Europe for researchers based in the [EU or associated countries](#).
- There is a mandatory one-year return period.

European and Global Fellowships can also include a **secondment period** of up to 3 or 6 months in another organisation in Europe, where this would boost the impact of the fellowship.

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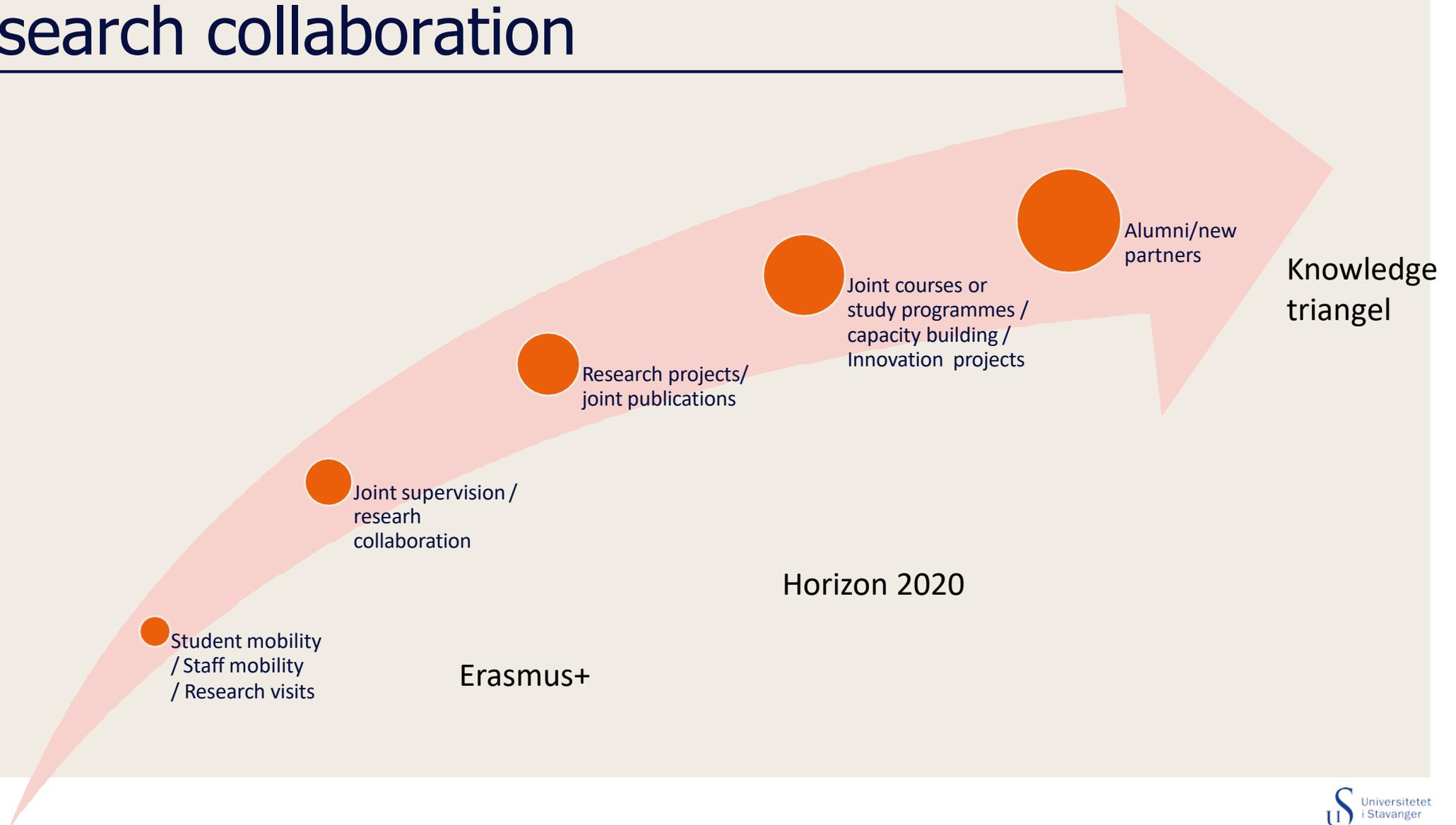Researchers at doctoral and postdoctoral level

RISE Objectives

- Promote **international** and **inter-sectoral** collaboration through research and innovation **staff exchanges**

- Sharing of *knowledge* and *ideas* for the advancement of science and the development of innovation

- Support is provided for the **development of partnerships** *(e.g. joint research and innovation activities)*

- **Bottom-up** approach: set of clear research and innovation objectives and deliverables

RISE Overview

- **All** countries and nationalities can participate in RISE

- **All** institutions fulfilling the requirements of the Horizon 2020 Rules for Participation can participate in RISE

- Project built on **joint research and innovation activities** by a consortium of organisations from ***different sectors/countries***

- Project implemented through the **secondment of staff** for a period between *1 and 12 months*

- The maximum size and duration is **540 person months** over **4 years**

Strategy for cooperation- mobility and research collaboration

Alumni/new partners

Knowledge triangel

Joint courses or study programmes / capacity building / Innovation projects

Research projects/ joint publications

Joint supervision / researh collaboration

Horizon 2020

Student mobility / Staff mobility / Research visits

Erasmus+

Universitetet i Stavanger

EU R&D unit UiS/IRIS/SUS/HVL/VID vitenskapelige høgskole

Other funding sources- EEA/Norway Grants and COST

New funding period

2,8 billion EUR

Many different types of programmes

Different programme portfolios per country

Research programmes – specific group with different rules - *á la H2020*

The EEA and Norway Grants

The EEA Grants and Norway Grants represent the contribution of Iceland, Liechtenstein and Norway to reducing economic and social disparities and to strengthening bilateral relations with 15 EU countries in Central and Southern Europe and the Baltics.

PRIORITY SECTORS AND PROGRAMME AREAS EEA AND NORWAY GRANTS 2014 – 2021
- Innovation, Research, Education and Competitiveness
- Social Inclusion, Youth Employment and Poverty Reduction
- Environment, Energy, Climate Change and Low Carbon Economy
- Culture, Civil Society, Good Governance and Fundamental Rights and Freedoms
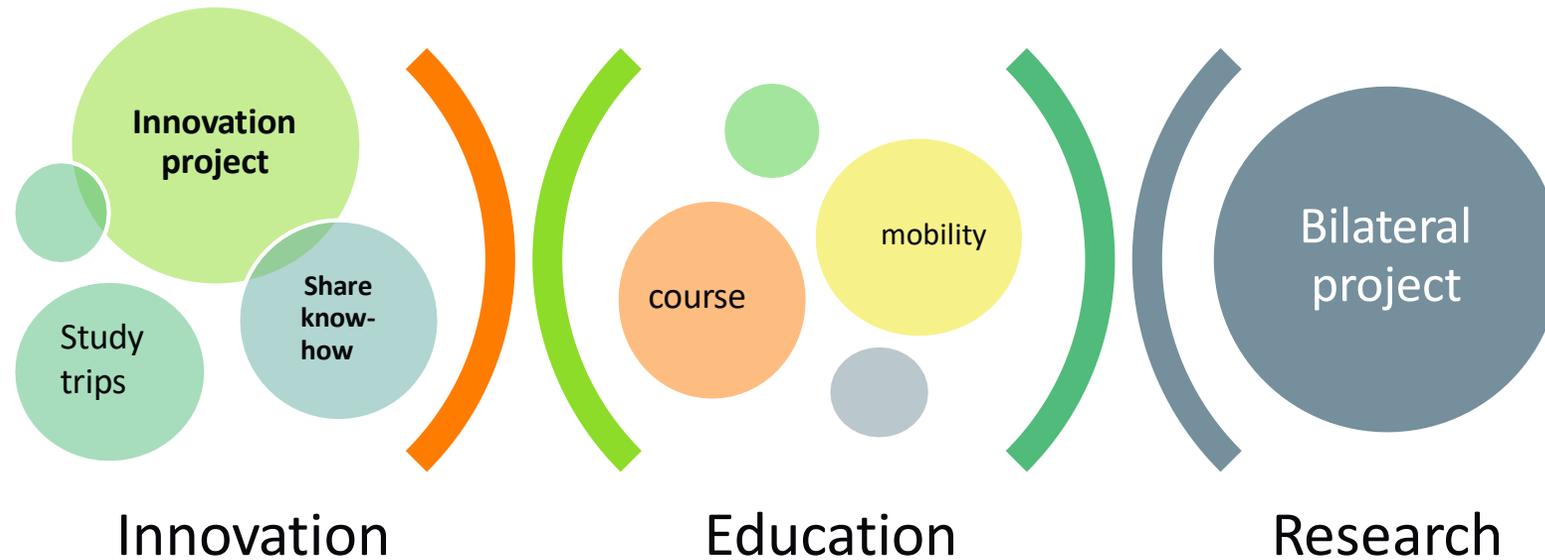- Justice and Home Affairs

Research

OBJECTIVE

Enhanced research-based knowledge development

AREAS OF SUPPORT

- Research cooperation between donor and beneficiary countries
- Research within the priority sectors and/or programme areas of the EEA and Norway Grants or in other agreed areas
- Application of research results
- Capacity building in research, including supporting the careers of female researchers and early stage researchers
- Participation and cooperation of beneficiary countries in the European Research Area (ERA)

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Many types of EEA and Norway Grants calls...

Innovation project

Study trips

Share know-how

course

mobility

Bilateral project

Innovation

Education

Research

Romania: Research Programme

RONO2018 Call: bilateral research projects

Call budget 16 mill EUR for research on:

 Energy, Environment, Health, ICT, Biotechnology

 Social Sciences and Humanities, Gender and Social Inclusion,

- Project size 500 000 < 1 500 000 EUR

- Romanian project coordinator + Norwegian partner

- Deadline : October 1st 2018

RONOMG2018 Call: mobility grants

- Rolling call, final deadline September 14th 2018

- Lump sum – 1 200 EUR for travel to establish partnership and prepare application to research call

- Both Romanian and Norwegian entities can apply

Workshop Session 1

Exploring possibilities

The Call 2018

EEA/Norway Grants 2014-2021

How to prepare for the new programme (eks. University of Stavanger):

<u>Researchers</u>

- Build on the already established cooperation (EEA, EU and RCN)

- Encourage researchers to establish new contacts (young researchers)

- Networks- European Consortium of Innovative Universities, COST etc.

<u>Visits (examples)</u>

- Technical University of Ostrava (Czech Republic) and AGH University of Science and Technology in Krakow, Poland.

AGH in Krakow - Presentations about research activities and discussions on research cooperation (MOU Norway-Poland). Focusing on the energy transition (from coal to renewable energy). Goal- define and apply for two or three EEA/Norway Grants projects.

Technical university of Ostrava (Czech Republic) - Information about science/technology/ engineering relevant for renewable energy in general and a special focus on geothermal energy at both universities; study programs, research, laboratories, relevant research networks in EU, ongoing EU projects, collaboration with industry...

EEA/Norway Grants- Horizon/FP9

- EEA/Norway Grants is important for internationalization and long term strategy towards FP9
  - Networks
  - Sustainable and good partnerships
  - Joint success in H2020/FP9

- Build closer links between Research- Education (and Innovation)
  - International Office and EU Office working togheter at UiS
    - Norwegian Research Council, SIU and Innovation Norway

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COST action

- COST (European Cooperation in Science and Technology) is an EU-funded programme that enables researchers to set up their interdisciplinary research networks in Europe and beyond.

- COST provides funds for organising conferences, meetings, training schools, short scientific exchanges or other networking activities in a wide range of scientific topics.

- Duration – 4 years.

- Scientists and researchers from the 36 COST Member States and the Cooperating State can participate in science and technology networks known as COST Actions by:
  - Submitting a proposal for a new COST Action
  - Joining an existing COST Action
  - Becoming a COST External Expert

- **The next collection date is December 2018**

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Thank you!

EU R&D Unit, Department for Research and Innovation

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