

Innovation in a regional context: the Euregio Meuse-Rhine (EMR) experience

Rob van der Meer - Nikhef

ET-PP is a project supported by the European Commission Framework Programme
Horizon Europe Coordination and Support action under grant agreement 101079696



Relation to the ET-PP project

D/M	description	planning
M7.1	Analysis of promotion strategies accomplished	M8
M7.2	Engagement plan produced	M10
D7.1	Innovation plan	M12
D7.2	Report on industry engagement plan execution	M42
M7.3	Analysis of balanced industrial return strategies accomplished	M15
D7.3	Model for pursuing in ET a balanced industrial return	M33
D7.4	Report on TT and Intellectual property management in ET	M44

ET-PP is a project supported by the European Commission Framework Programme Horizon Europe Coordination and Support action under grant agreement 101079696



NL - General RI and institute industry engagement

Activities up till 2020 (that I know of)

Dutch ILOnet

<https://www.bigscience.nl/en/>

- Nikhef – high energy- and (astro)particle physics,
- SRON – space research (astronomy, climate, etc.)
- ASTRON – radio astronomy
- NOVA, Infrared and optical astronomy
- DIFFER, energy and fusion
- NIOZ, deep sea research
- HFML /FELIX – magnet lab and free electron laser

ET-PP is a project supported by the European Commission Framework Programme
Horizon Europe Coordination and Support action under grant agreement 101079696



NL - ET industry engagement

Activities since 2019

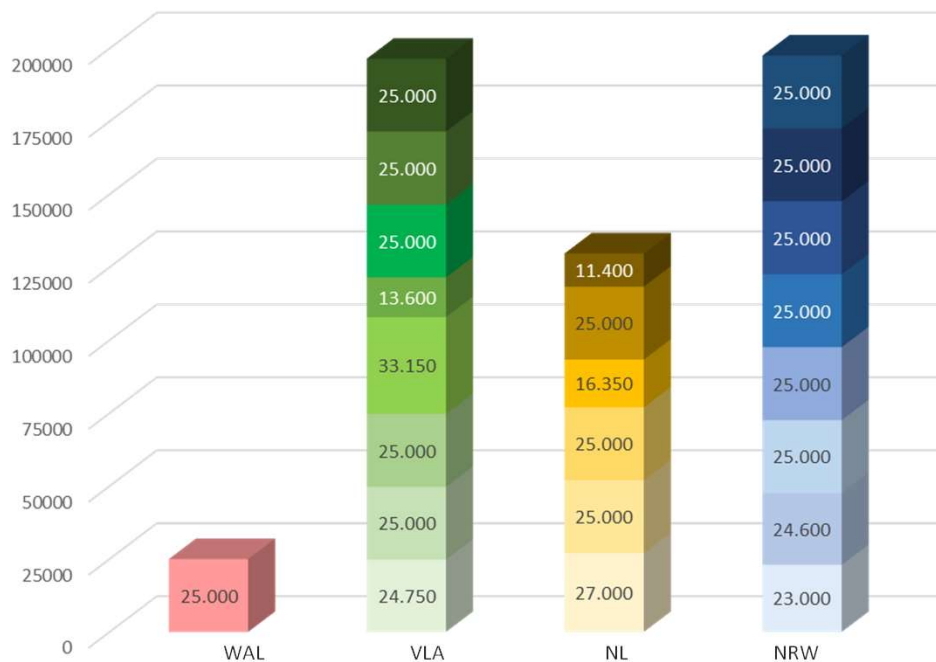
- Webinars: general and topical on R&D challenges: 2020 – 70 participants, 45 companies;
- Industry days (E-TEST) – 2 per year, about 100 participants, two canceled for Covid-19;
- ET2SMEs project: industry vouchers of 50% in up to 100k€ projects, with mapping and matching of companies across borders NL – BE – DE;
- ETT project: 6 ET challenges addressed in collaboration with industry partners;
- NGF ET project: valorization chapter:

ET-PP is a project supported by the European Commission Framework Programme Horizon Europe Coordination and Support action under grant agreement 101079696



ET2SMEs cross border voucher scheme results

Voucher amounts per SME & region (Calls 1 - 9)

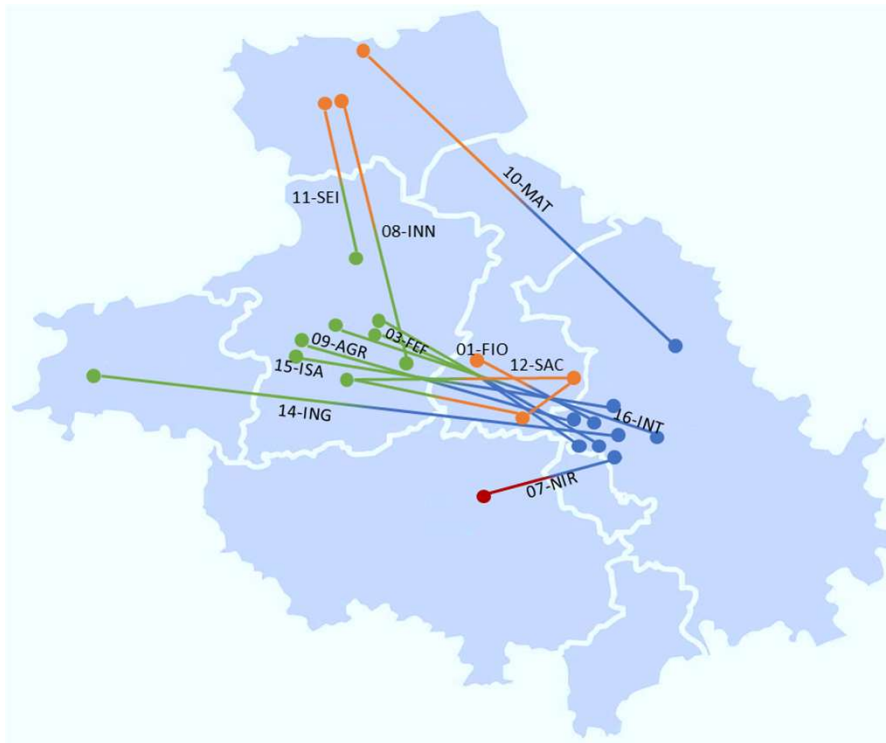


- 11 ET2SMEs vouchers from 4 EMR regions
- Total project amount of € 1,149,500 and ERDF contribution of € 548,850
- In total 23 SMEs in 4 EMR regions supported:
 - WAL: 1 (€ 25,000)
 - NL: 6 (€ 129,750)
 - VLA: 8 (€ 196,500)
 - NRW: 8 (€ 197,600)

ET-PP is a project supported by the European Commission Framework Programme Horizon Europe Coordination and Support action under grant agreement 101079696



ET2SMEs cross border voucher scheme – new partnerships



Source: AGIT, April 2023.

ET-PP is a project supported by the European Commission Framework Programme Horizon Europe Coordination and Support action under grant agreement 101079696

11 New cross-border partnerships
via ET2SMEs





**Regionale
Ontwikkelings
Maatschappijen
&
Challenges for the
Einstein Telescope**

Big Science meets (Holland) High Tech, June 2 2023

Valorisation Einstein Telescope

NGF ET Project

- Goal: show (economic) value
- Funding: National Growth Fund
- Timeline: October 2022 – October 2026
- Geography: Nationwide - NL
- Partners:



Regionale
Ontwikkelings
Maatschappijen

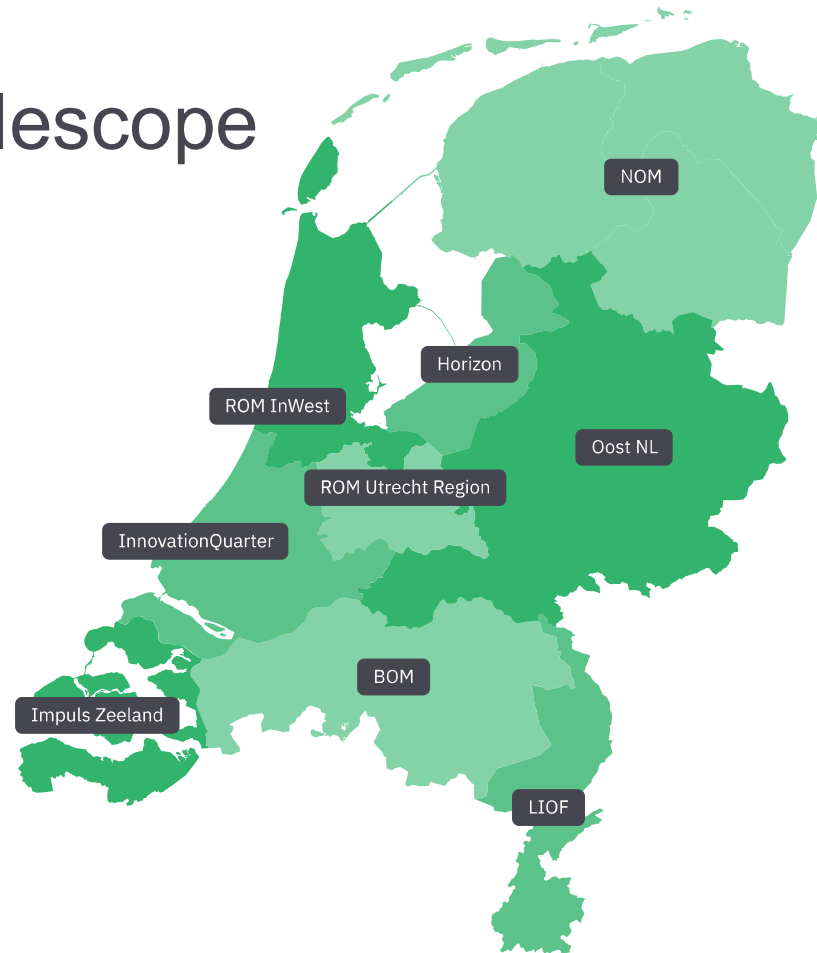


Ministerie van Economische Zaken
en Klimaat



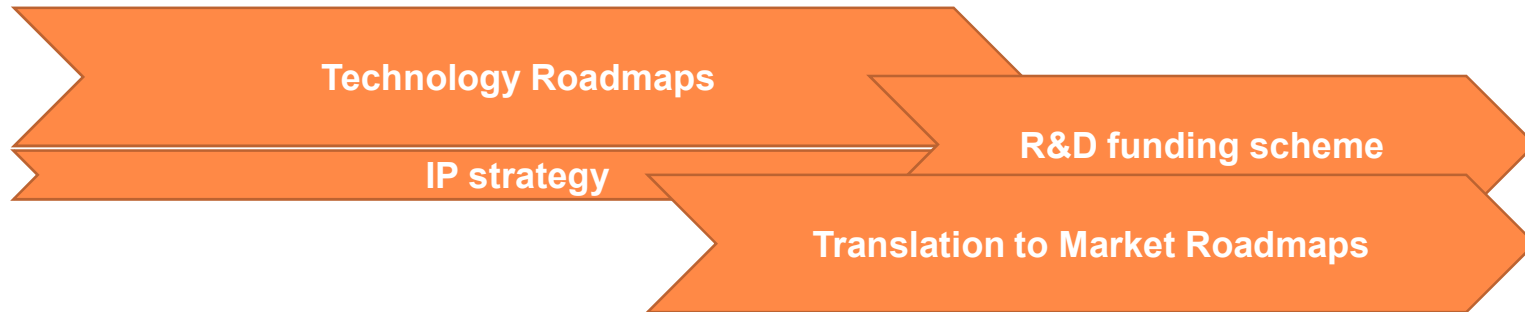
Ministerie van Onderwijs, Cultuur en
Wetenschap

provincie limburg

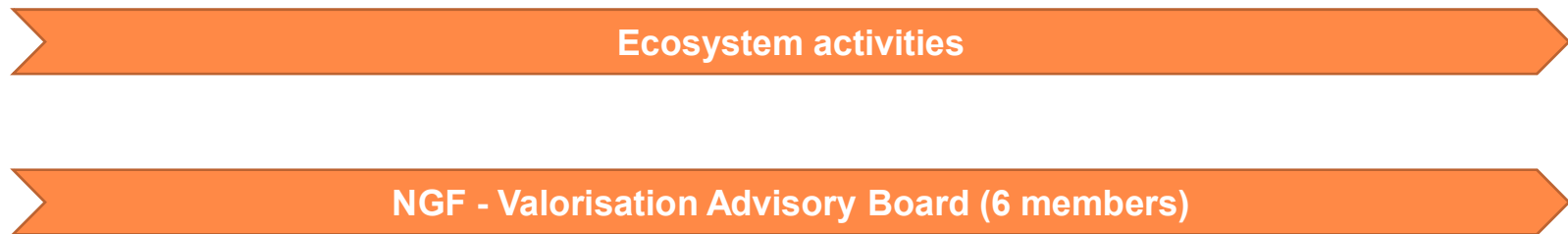


Action plan

Innovation support



Ecosystem development



Technology domains

Technology domain	Development
Vibration-free cooling	development of vibration-free cooling of mirrors to 10-20 K
Vacuum technology	cost savings of the vacuum system and production facility design and installation scenario
Vibration damping	development of optimal combination of passive and active vibration damping
Optics	development of large Si mirrors and coating for application at 10-20 K
Thermal deformations	development of technology to monitor and compensate thermally induced deformations



R&D funding scheme

Preparations in progress; main characteristics

- Total budget: €12,085M
- Topics: 5 technology domains
- Calls: 1 or more calls per domain
- Target group: Consortia of SMEs & start-ups, large companies and knowledge institutes
- Timeline: General information in July 2023; First call expected in fall 2023



More information?

Rob van der Meer

ILO ET

+31 6 4681 2174

r.van.der.meer@nikhef.nl

Jorg van der Meij

Programmamanager Valorisatie ET

+31 6 2131 3004

jorg.vander.meij@liof.nl

www.einsteintelelescope.nl