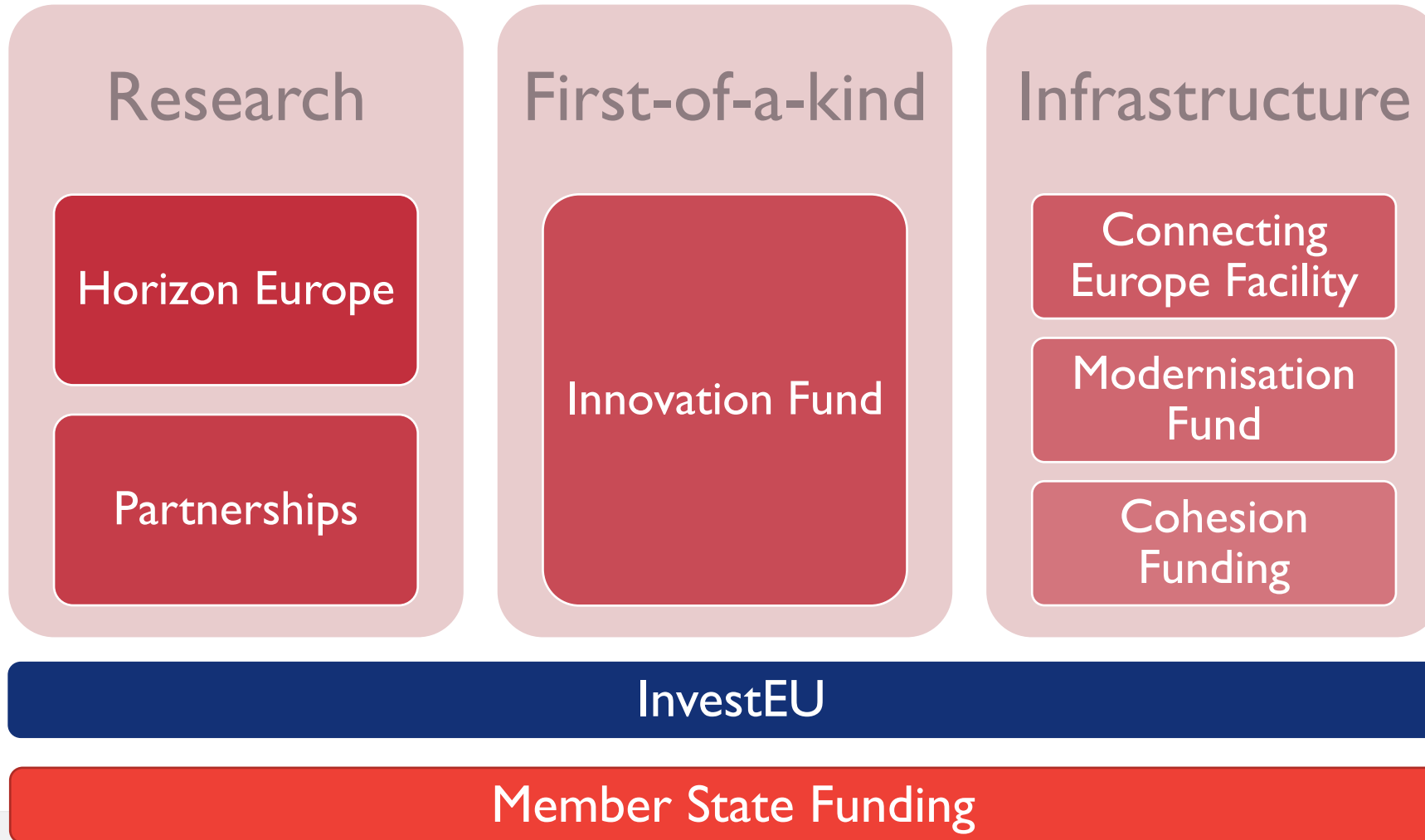


Lessons learnt on recent Horizon Europe calls

EU funding



R&I funding in geothermal

during H20220 , period 2014-2020:

- total costs of R&I geothermal projects in the category LCE = 350 €mio, and EU contribution of 248 €mio so 70% EU contribution and about 35,5 €mio EU contribution/year
- SME instrument: 2.5 €mio EU contribution
- Other H2020 than LCE topics, geothermal projects: 124 €mio costs and 107 €mio EU contribution 86% contribution and 15 €mio/year

Geothermica

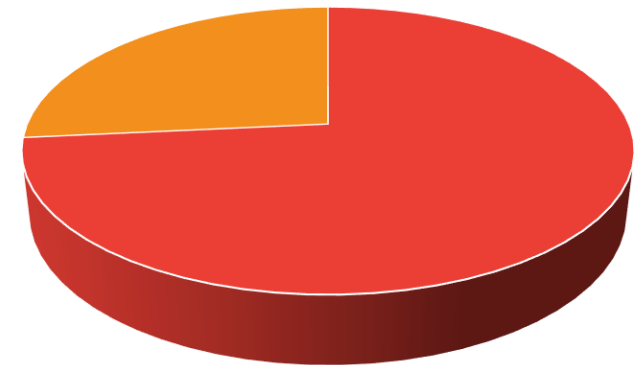
- Geothermica: calls 1 : total costs of 43,79 €mio, public contribution of 23 €mio and private cofunding of 20.79 €mio = 53% public co-funding

Interreg

- Interreg: total costs of 29.9 €mio, public contribution of 20.1 €mio and private contribution of 9.8 €mio = 67 % co-funding

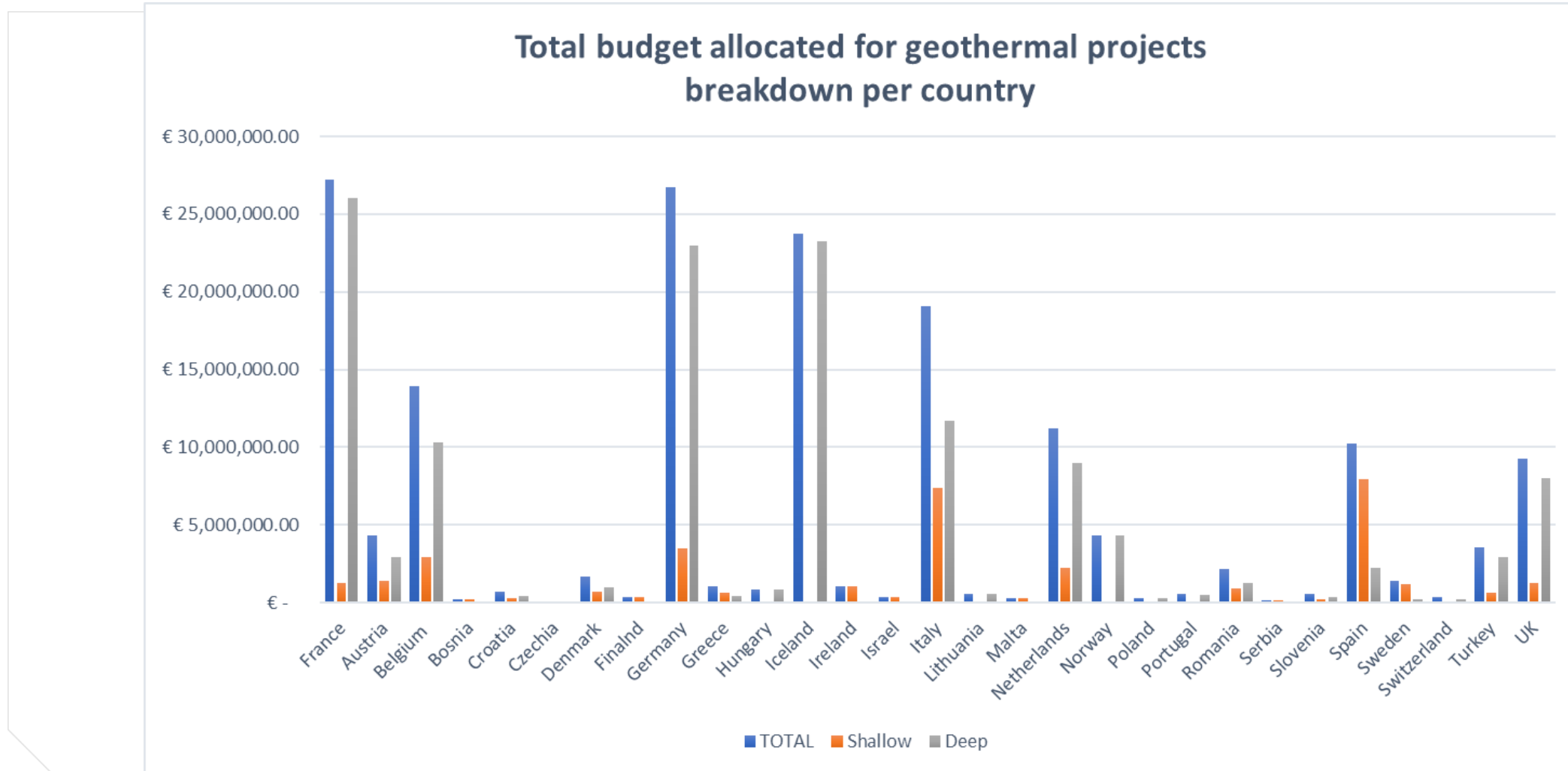
Total:

- **Costs about 500 €mio**
- **Public contrib. of 350 €mio and 150 €mio private, around 73 % public contrib.**
- **About 52 €mio per year**
- **About 180 projects funded in 7 years, 25 projects per year**



- Public contribution
- Private cofunding

R&I funding in geothermal per country



Horizon Europe 2021 calls (update)

Geothermal calls

- **HORIZON-CL5-2021-D3-03-15: Solutions for more sustainable geothermal energy**

Budget: EUR 10.00 million (2 projects), Research and Innovation Actions to achieve TRL 5

Deadline date: 23 February 2022

Evaluation: 17 Submitted / 17 Evaluated / 11 Above threshold / 55.1 €Mln Requested contribution

Award:

- **HORIZON-CL5-2022-D3-01-04: Demonstrate the use of high temperature geothermal reservoirs to provide energy storage for the energy system**

Budget: EUR 18.00 million (1 project), Innovation Actions to achieve TRL 7

Deadline date: 26 April 2022

Evaluation: 5 Submitted / 4 Evaluated / 3 Above threshold / 59.7 €Mln Requested contribution

Award: PUSH-IT (EU grant of 20 M euro's (Innovation Action score 15/15). Delft University of Technology is coordinator

Horizon Europe calls 2022: 115 proposals competing for EUR 99 million in sustainable, secure and competitive energy

supply topics:

Thematic scope	Topic	Topic title	Type of Action	Budget 2022 (EUR million)	Proposals submitted	Requested funding (EUR million)	Estimated number of proposals to be funded
HORIZON-CL5-2022-D3-02							
	D3-02-01	Digital solutions for defining synergies in international renewable energy value chains	RIA	9	6	19.8	3
	D3-02-02	AU-EU Energy System Modelling	RIA	5	21	105.4	2
	D3-02-03	Innovative renewable energy carrier production for heating from renewable energies	IA	10	6	208.5	1
	D3-02-04	Technological interfaces between solar fuel technologies and other renewables	RIA	10	20	81.0	2
Global leadership in renewable energy	D3-02-05	Renewable energy carriers from variable renewable electricity surplus and carbon emissions from energy consuming sectors	IA	20	3	13.4	2
	D3-02-06	Direct renewable energy integration into process energy demands of the chemical industry	RIA	10	11	35.7	2
	D3-02-07	Renewable energy incorporation in agriculture and forestry	IA	15	36	198.2	2
	D3-02-08	Demonstration of complete value chains for advanced biofuel and non-biological renewable fuel production	IA	20	12	104.6	2
Total				99	115	766.6	16



ETIP-DG

European Technology & Innovation Platform on Deep Geothermal

Feedbacks on the first calls from CET Partnership

The Clean Energy Transition Partnership (CETPartnership) is a multilateral and strategic partnership of national and regional research, development and innovation (RDI) programmes in European Member States and Associated Countries aiming to boost and accelerate the energy transition and to support the implementation of the European Strategic Energy Technology Plan (SET Plan).

The CETPartnership enables 50 national and regional RTDI programme owners and managers from 30 countries to align their priorities, pool national budgets of **210 Mill EUR for two joint calls in 2022 and 2023**, as well as to implement **annual joint calls from 2022 to 2027**.

Feedbacks on the first calls from CET Partnership

- The CETPartnership Joint Call 2022 is the first annual co-funded call under the CETPartnership and is co-funded by the European Commission under the Horizon Europe Partnership scheme.
- The call is organised as a 2-step-procedure: submission of a pre-proposal followed by an invite to submit a full proposal. Deadline for submitting a pre-proposal is 23 November 2022, 14:00 CET.

Call modules

The CETP First Call, to be officially launched Fall 2022, will be structured into thematic modules. Each Transition Initiative (TRI) will develop one or two Call modules based on their strategic topics and content, allowing to cover the whole spectrum of their specific SRIA challenges.



TRI 1: Integrated Net-zero-emissions Energy System

**Call Module: TRI1
PowerPlanningTools**



TRI 1: Integrated Net-zero-emissions Energy System

**Call Module: TRI1
RESDemoPowerflex**



TRI 2: Enhanced zero emission Power Technologies

**Call Module: TRI2
Advancing RE technologies for power production through cost reduction**



TRI 2: Enhanced zero emission Power Technologies

**Call Module: TRI2
Breakthrough R&D to increase RE power technologies efficiency**



TRI 3: Enabling Climate Neutrality with Storage Technologies, Renewable Fuels and CCU/CCS

**Call Module: TRI3
CCU/CCS technologies**



TRI 3: Enabling Climate Neutrality with Storage Technologies, Renewable Fuels and CCU/CCS

**Call Module: TRI3
Hydrogen and
renewable fuels**



TRI 4: Efficient zero emission Heating and Cooling Solutions

**Call Module: TRI4
Heating & Cooling**



TRI 5: Integrated Regional Energy Systems

**Call Module: TRI5
Integrated Regional
Energy Systems**



TRI 6: Integrated Industrial Energy Systems

Call Module: TRI6 Industrial energy systems



TRI 7: Integration in the Built Environment

Call Module: TRI7 R&I in clean energy integration in the built environment



TRI 7: Integration in the Built Environment

Call Module: TRI7 Solutions to energy transition in the built environment