EISCAT 3D - Finland

Peculiarities and Status

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Finland's Contribution to EISCAT_3D

Mixed Funding Model

- Total funding: 12,840,000 € (same as Sweden)
- Directly to EISCAT: 80% ≈ 10.27 M€
- Via FIRI project: 20% ≈ 2.57 M€
 - From Academy: 70% ≈ 1.80 M€
 - From Applicants: 30%
 - U Oulu: 29.44% ≈ 756 k€
 - FMI & CSC: 0.56% ≈ 14 k€

Finnish EISCAT_3D Funding Plan

	EUR	Finland shares	FIRI project shares
FIRI: Academy share	1,797,748		70.00%
FIRI: U Oulu share	756,093		29.44%
FIRI: FMI + CSC shares	14,371		0.56%
FIRI E3D Finland – TOTAL	2,568,212	20.00%	100.00%
Academy direct contribution	10,271,788	80.00%	
Finland Contribution Total	12,840,000	100.00%	
Academy funding total	12,069,536	94.00%	
UOulu, FMI, CSC total	770,464	6.00%	

In Kind vs In Property FIRI EISCAT_3D -Finland

- FIRI funding planned as contribution in kind:
 - Plan: build Karesuvanto site, programming work
- Contributions are valued against a Cost Book
 - Cost book grossly underestimated the cost of building a site
- *In kind* contribution push the risk to the contributor: if they can themselves purchase below cost-book price, the win, if not, not.
- In kind also means, ownership of facility and thereby cost of removal of the facility at the end of EISCAT_3D lifetime falls to contributor (U Oulu).

- Contributions count towards access to EISCAT_3D, i.e. this has direct impact on usability of the facility for Finnish scientists.
- But: Academy mandates, that the project funds must be accepted as contribution to EISCAT_3D in full!
- Solution: in property contribution:
 - Facility ownership will be transferred to EISCAT and EISCAT will accept full cost.
 - Responsibility for site removal lies with EISCAT.

Karesuvanto Site EISCAT 3D

- Ground works were conducted before 2021 by U Oulu -> in kind.
- In 2020, the construction of site buildings and garages was tendered by U Oulu.
 This process needed 3(!) attempts and took the whole year.
- EISCAT signed contracts with the supplier (ARTRA Oy, Kuopio) directly, and they will invoice the costs later from us -> in property.
- Bureaucratic challenge ahead: change ownership of the Karesuvanto site incl groundworks to EISCAT, so that it, too, becomes a contribution *in property*.
 - Challenge, because ownership needs to be transferred from U Oulu to EISCAT without exchange of money, because it's paid for by Academy project.

FIRI Project Lifetime

EISCAT_3D -Finland

- Proposal: April 2014, Pls E Turunen & A Aikio.
- Project granted May 2015; lifetime 2015–2018.
- EISCAT Council green light for construction: June 2017.
- Project extended in November 2018 until 2021.
- Pls changed to Th Ulich & A Aikio in November 2019.
- Project extended in November 2021 until 2023.
- Project budget unchanged.

