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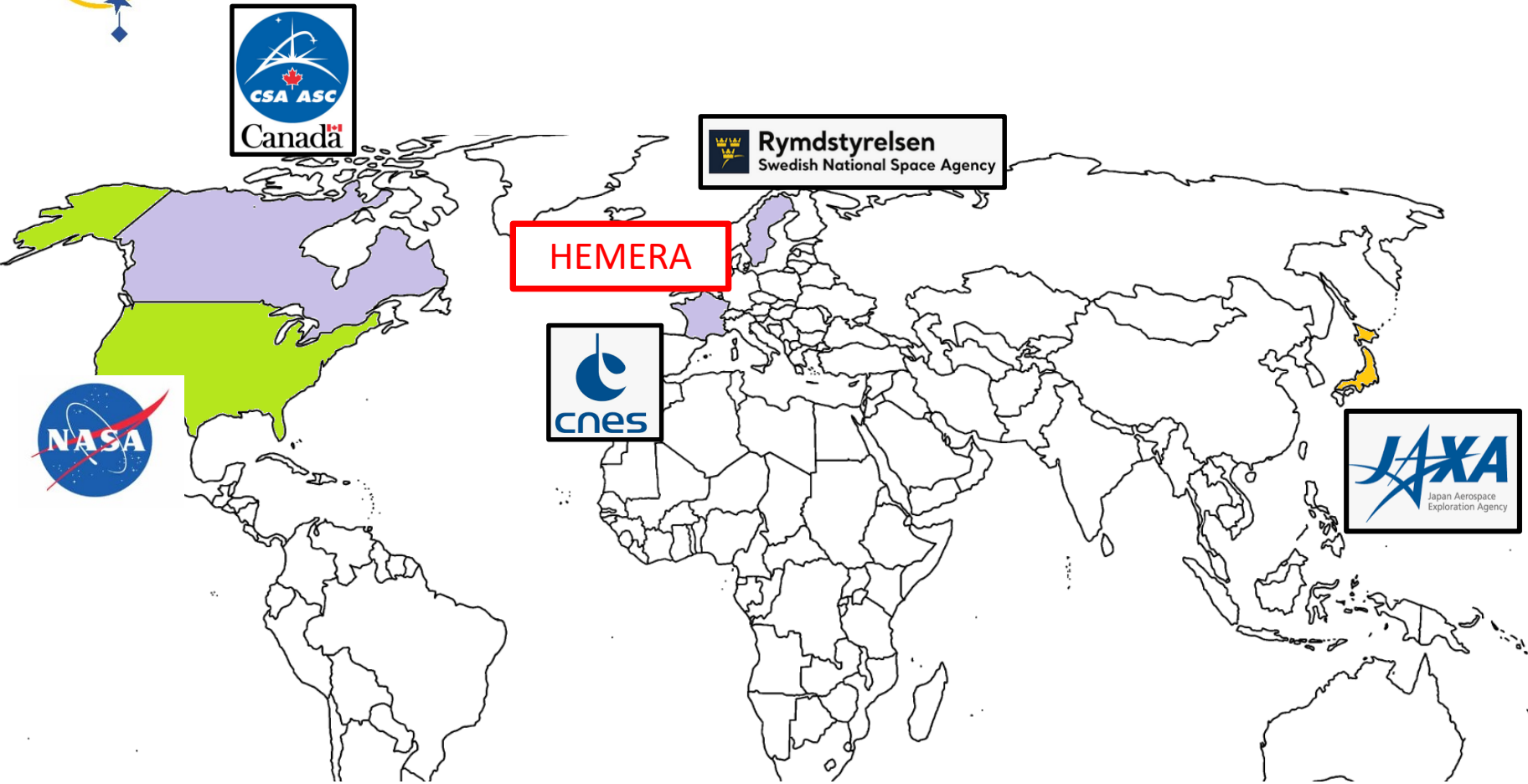
HEMERA

Working group definition

Term of references proposal



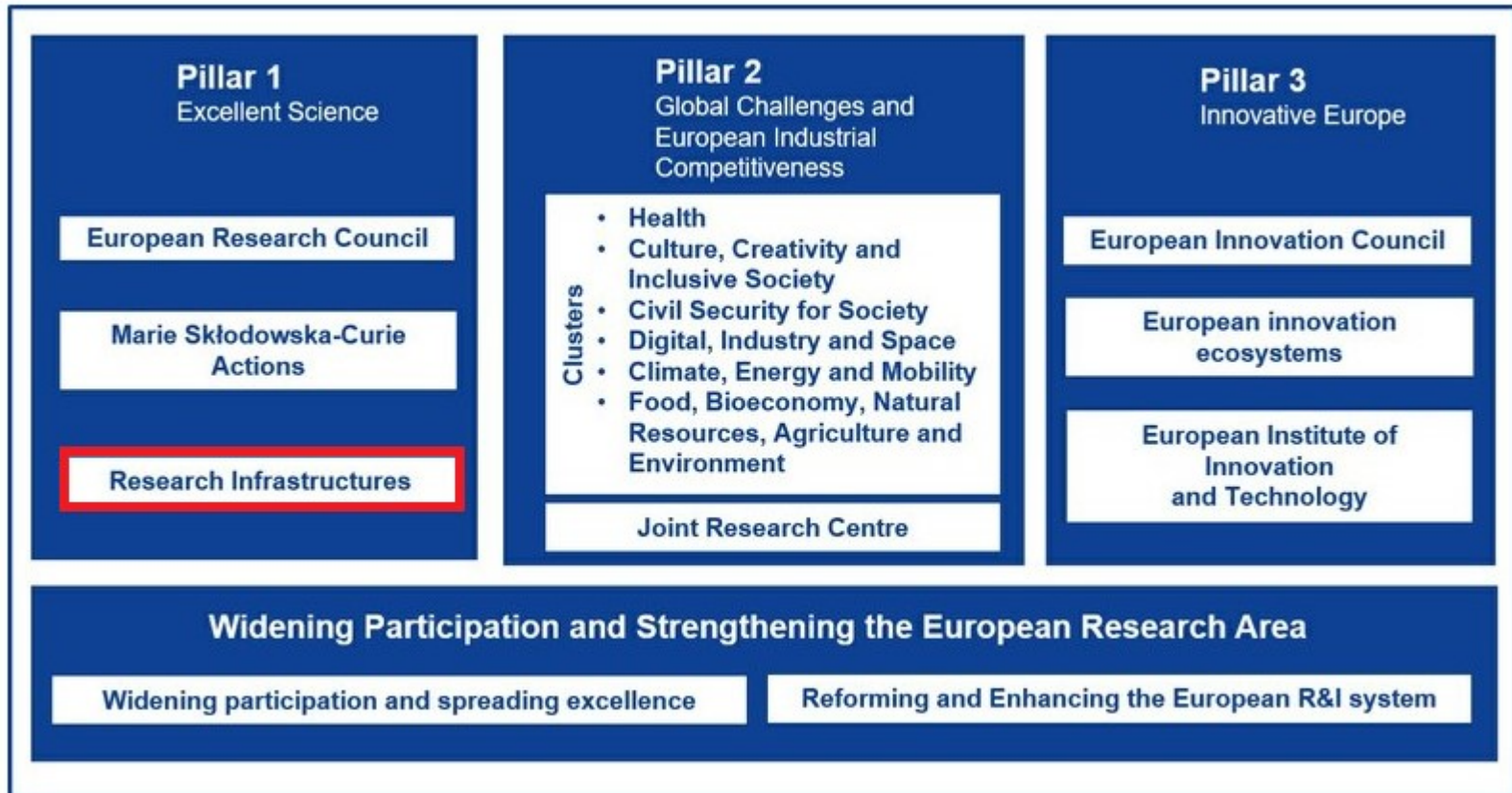
Balloons Research infrastructure in the world



European level looks appropriate to keep an access to the stratosphere



HORIZON EUROPE programme

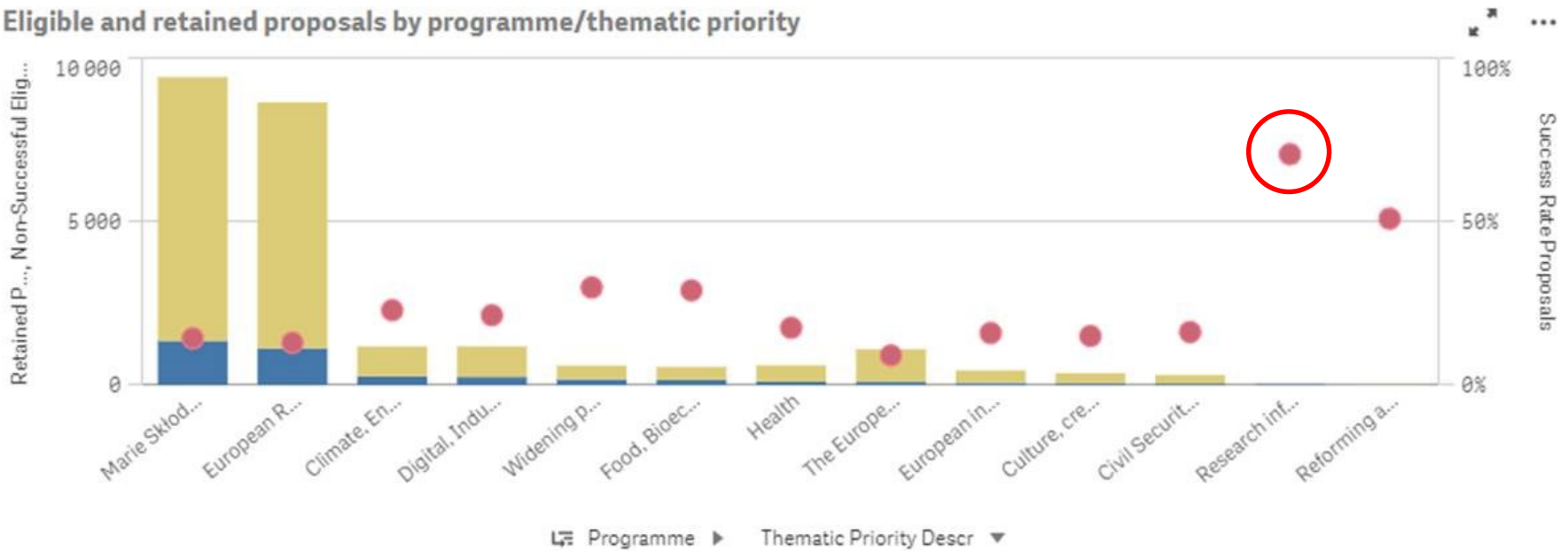


To be part of a research infrastructure is mandatory to answer to some categories of Horizon Europe calls



HORIZON EUROPE programme

Eligible and retained proposals by programme/thematic priority



Success rate to Research Infrastructure calls is high



Research infrastructures Purpose

Key objectives

- reduce fragmentation of the research and innovation ecosystem
- avoid duplication of effort
- better coordinate the development and use of Research Infrastructures
- establish strategies for new pan-European, well-established intergovernmental or national Research Infrastructures
- join forces internationally to construct and run large, complex or expensive infrastructures, respond to global challenges and/or foster combining skills, data and efforts of the world's best scientists
- foster the innovation potential of Research Infrastructures by making industry more aware of opportunities offered to improve their products and by the co-development of advanced technologies

HEMERA is fully in line with these key objectives



Services offered by the research Infrastructure



Figure 5, Launch of the SSC HEMERA 2021 ZPB

The services proposed by the research infrastructure shall be open according to the guidelines of the *European charter of access for research infrastructures*

It can be **access to** a launch base, flights, a database .. => flights look appropriate for HEMERA



Organization proposal :

THE SIMPLER THE BETTER

- One meeting per year is enough (but is it possible to organize more)
- Open to all balloon flights providers
- Open to all balloon flights users

The sustainability during a long period will be easier with a light research infrastructure



European balloon landscape – flights providers

Enveloppe manufacturer

- CNIM AIR SPACE

Flights providers

- CNES
- SSC
- Z2I
- + Activities in Poland ?

Active Launch Base

- Kiruna
- Spain (Jaen, ..)
- Timmins (Canada)

Large Gondola provider

- CNES
- SSC
- ASC (canada)
- Z2I
- ASI
- ESBO

Which members for the Research Infrastructures ?



CONCLUSION



TERMS of REFERENCE are submitted for modification/review.

TO BE DISCUSSED