Standing Committee for Science Priorities (CSP) closing remarks

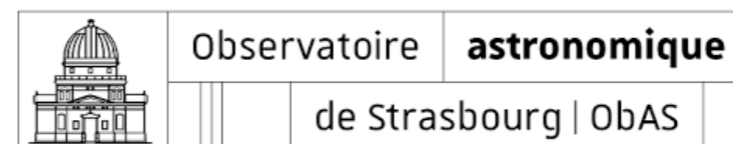Interop meeting 08-12 May 2023
Ada Nebot for the CSP

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CENTRE DE DONNÉES
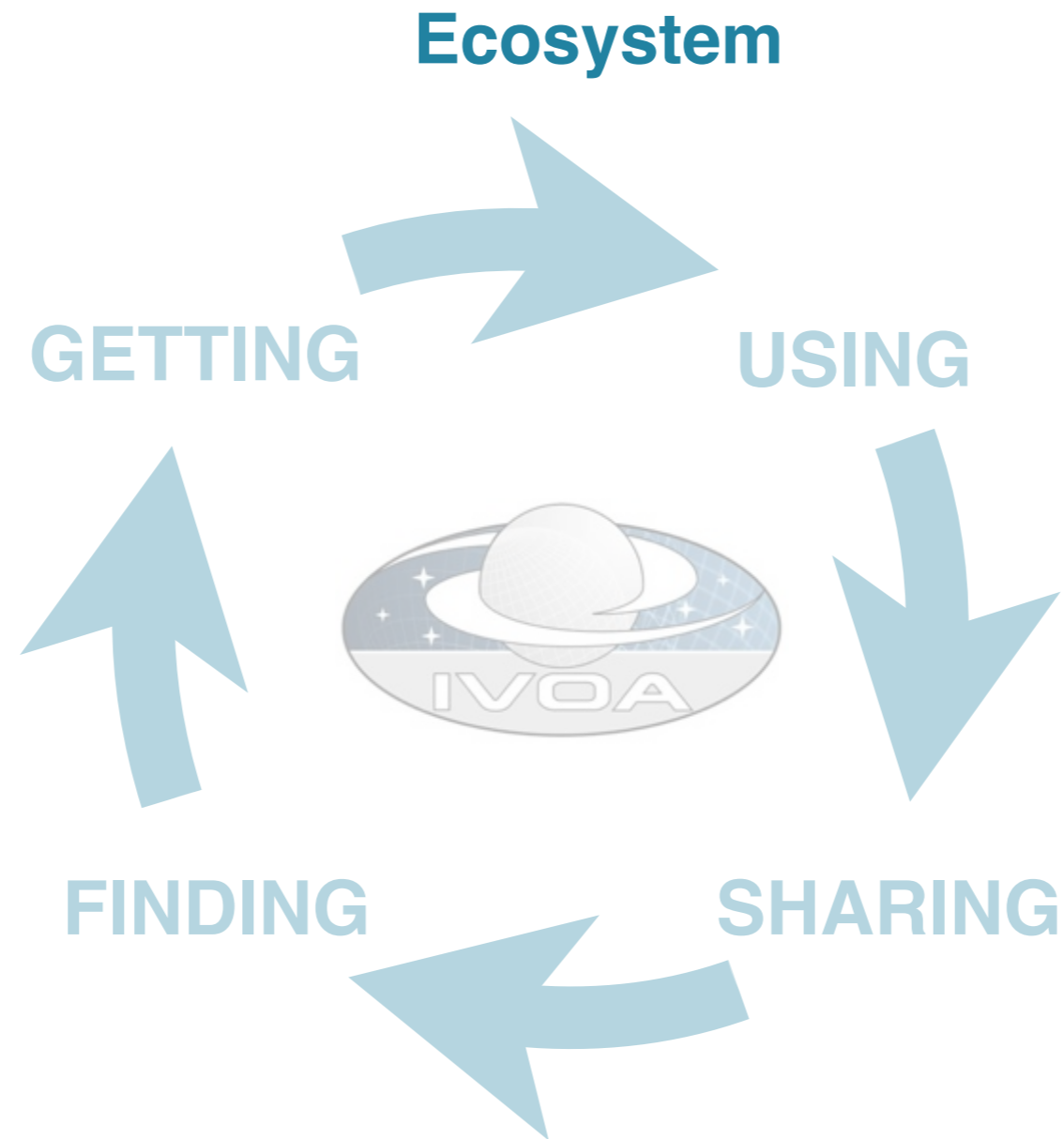ASTRONOMIQUES DE STRASBOURG

Observatoire **astronomique**
de Strasbourg | ObAS

Outline

- Motivation
- Challenges
- Priorities
- News

Motivation

Ecosystem

GETTING → USING

FINDING ← SHARING

Building the technology and the standards

☐ Challenges

"All priority science areas require multiwavelength observations with highly capable facilities" - Decadal Survey

It is through the combination of data that we get a full picture of the physics in the Universe

- High contrast imaging
- High spatial resolution
- High spectral resolution
- High temporal resolution
- High cadence
- High performance computing
- High scalability

Challenges

- Identify the current main science cases in the community
  - Engage with large and small projects
  - Ensure IVOA is building standards, tools and services responding to these science cases
  - Ensure right balance for these standards
    - Not too generic, not too specific
    - Implementable standards, while not too simplistic
    - Need for new standards, or updating existing standards
    - Addressing new data types, new areas in astronomy

Some identified priorities

- Science platforms
  - Interoperability - Can I use my code here as well? Metadata requirements to support discovery and execution
  - Scalability to users needs
  - Security - provide access to the right users
  - Cloud - technical implications of using commercial solutions

- Increasing community distributing simulated data (spectra, images, cubes, tables).
  - Follow-up on this topic is much needed.

- It is not easy to register the services
  - Can we improve the situation towards the next interop?

- Community engagement
  - More contributors are always needed

- Evolve the newcomers sessions from technical to informative
  - Where do I look for information? Is there a summary somewhere?
  - Where are the mailing lists and how do I register?
  - Ok, what are the groups that I should be looking into?
  - Keep this in mind for the new website

The CSP

- Members: Mark Allen, Christophe Arviset, Francesca Civano (vice-chair), Chenzhou Cui, Raffaele D'Abrusco, Vandana Desai, Gregory Dubois-Felsmann, Janet Evans, Pepi Fabbiano, Mark Lacy, Marco Molinaro, Ada Nebot (chair), Kai Lars Polsterer, Enrique Solano

- New member of the CSP !
- Welcome to Rachana Bhatawdekar :)

- https://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaSciencePriorities
- Want to take part? csp@ivoa.net

THANKS !!

"*Big data - Big code - Big community*" - Science Platforms session I

"*Implement things that make life easier*" - Science Platforms session II

Keep up the good work!

See you in Tucson!