



*Advanced European Network of E-infrastructures  
for Astronomy with the SKA*



# AENEAS Meeting Overview

Michael Wise

ASTRON (Netherlands Institute for Radio Astronomy)  
AENEAS Plenary Meeting, Granada, October 18, 2017

# SKA Regional Centre Alliance



# Goals for the Meeting

- Updates on progress from the WP teams
- Refine plans for the coming 6-12 months
- Assess how the teams and project are functioning
- Discussion sessions on relevant topics
- Connection to ongoing related activities
- Identification of upcoming strategic opportunities
- Finalize locations for remaining AENEAS meetings

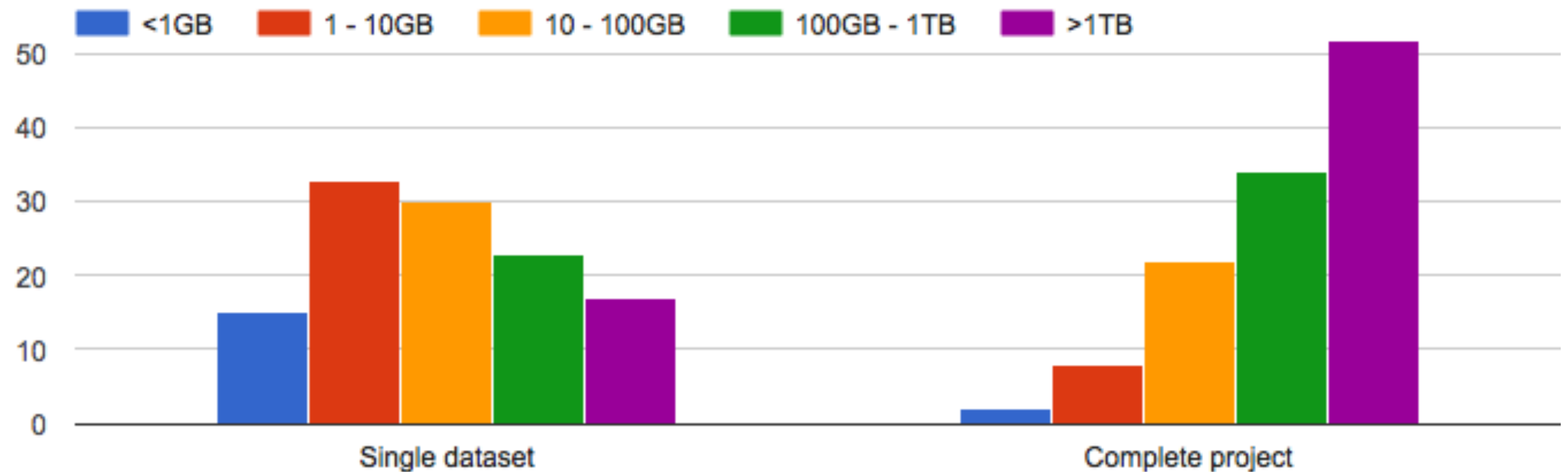
# Work Package Progress

- Initial set of community surveys for users, facilities, and providers
- First cut at overall SRC requirements (data rate and compute)
- Technology review and preparations for prototyping work
- Map of potential network nodes currently being compiled
- Options for SRC network governance models under discussion
- Team staffing, communication, and planning

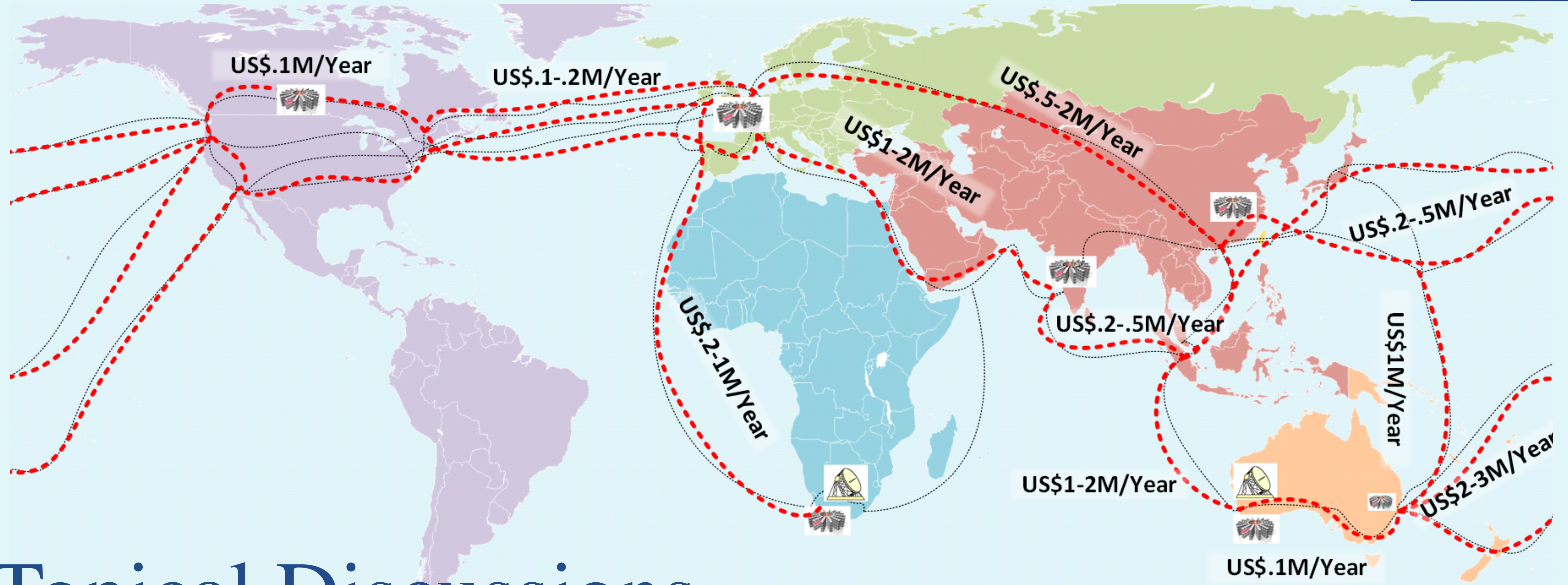


# Community Surveys

**What is the typical size of the data you handle?**







# Topical Discussions

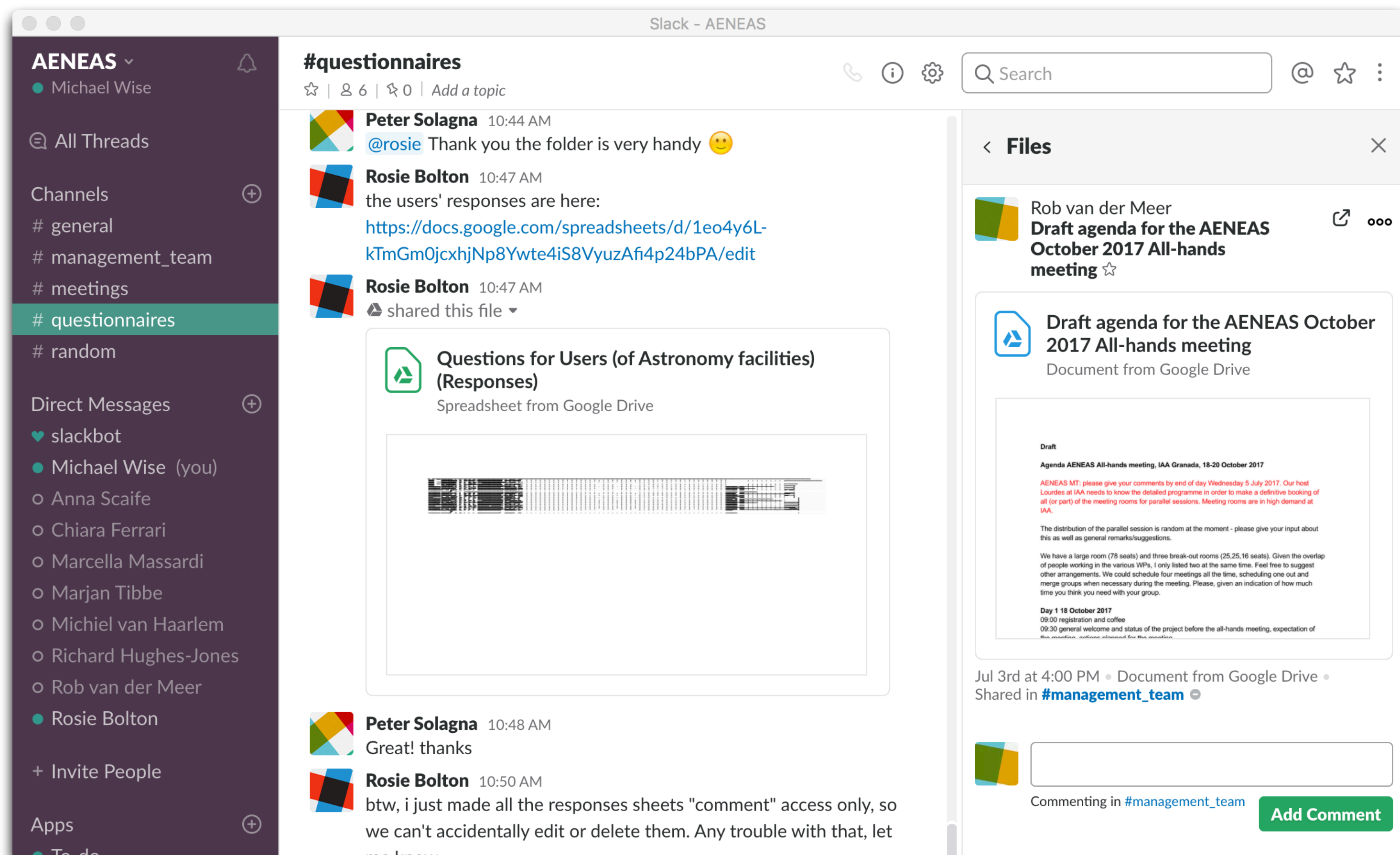
- ..... Fibre Cable Systems – SKA relevant
- - - - - Major NREN Paths – SKA relevant



# Project Communication

- How are the various WP teams functioning?
- Is there sufficient cross-talk between the WP teams?
- What can improve in terms of support from the management?
- Are we engaging with all the relevant external groups and partners?
- Are we present at the necessary and relevant meetings?
- What metrics are we collecting that track this engagement?

# AENEAS Slack Channel



The screenshot shows a Slack window titled "Slack - AENEAS". On the left is a sidebar with a list of channels: #general, #management\_team, #meetings, #questionnaires (highlighted), and #random. Below the channels are direct messages and a list of team members including Michael Wise, Anna Scaife, Chiara Ferrari, Marcella Massardi, Marjan Tibbe, Michiel van Haarlem, Richard Hughes-Jones, Rob van der Meer, and Rosie Bolton. The main channel view is for "#questionnaires" and shows a conversation:

- Peter Solagna** (10:44 AM): @rosie Thank you the folder is very handy 😊
- Rosie Bolton** (10:47 AM): the users' responses are here: <https://docs.google.com/spreadsheets/d/1eo4y6L-kTmGm0jcxhjNp8Ywte4iS8VyuzAfi4p24bPA/edit>
- Rosie Bolton** (10:47 AM): shared this file

A file preview is shown for "Questions for Users (of Astronomy facilities) (Responses)", a spreadsheet from Google Drive. Below it, another message from Peter Solagna says "Great! thanks". Rosie Bolton then replies: "btw, i just made all the responses sheets 'comment' access only, so we can't accidentally edit or delete them. Any trouble with that, let me know".

On the right side of the channel view, there is a "Files" section showing a document titled "Draft agenda for the AENEAS October 2017 All-hands meeting" shared by Rob van der Meer. The document content includes:

**Draft**  
**Agenda AENEAS All-hands meeting, IAA Granada, 18-20 October 2017**  
 AENEAS MT: please give your comments by end of day Wednesday 5 July 2017. Our host Lourdes at IAA needs to know the detailed programme in order to make a definitive booking of all (or part) of the meeting rooms for parallel sessions. Meeting rooms are in high demand at IAA.  
 The distribution of the parallel session is random at the moment - please give your input about this as well as general remarks/suggestions.  
 We have a large room (78 seats) and three break-out rooms (25,25,16 seats). Given the overlap of people working in the various WPs, I only listed two at the same time. Feel free to suggest other arrangements. We could schedule four meetings all the time, scheduling one out and merge groups when necessary during the meeting. Please, given an indication of how much time you think you need with your group.  
**Day 1 18 October 2017**  
 09:00 registration and coffee  
 09:30 general welcome and status of the project before the all-hands meeting, expectation of the meeting, address allocated for the meeting.

At the bottom of the channel view, there is a text input field with the placeholder "Commenting in #management\_team" and a green "Add Comment" button.

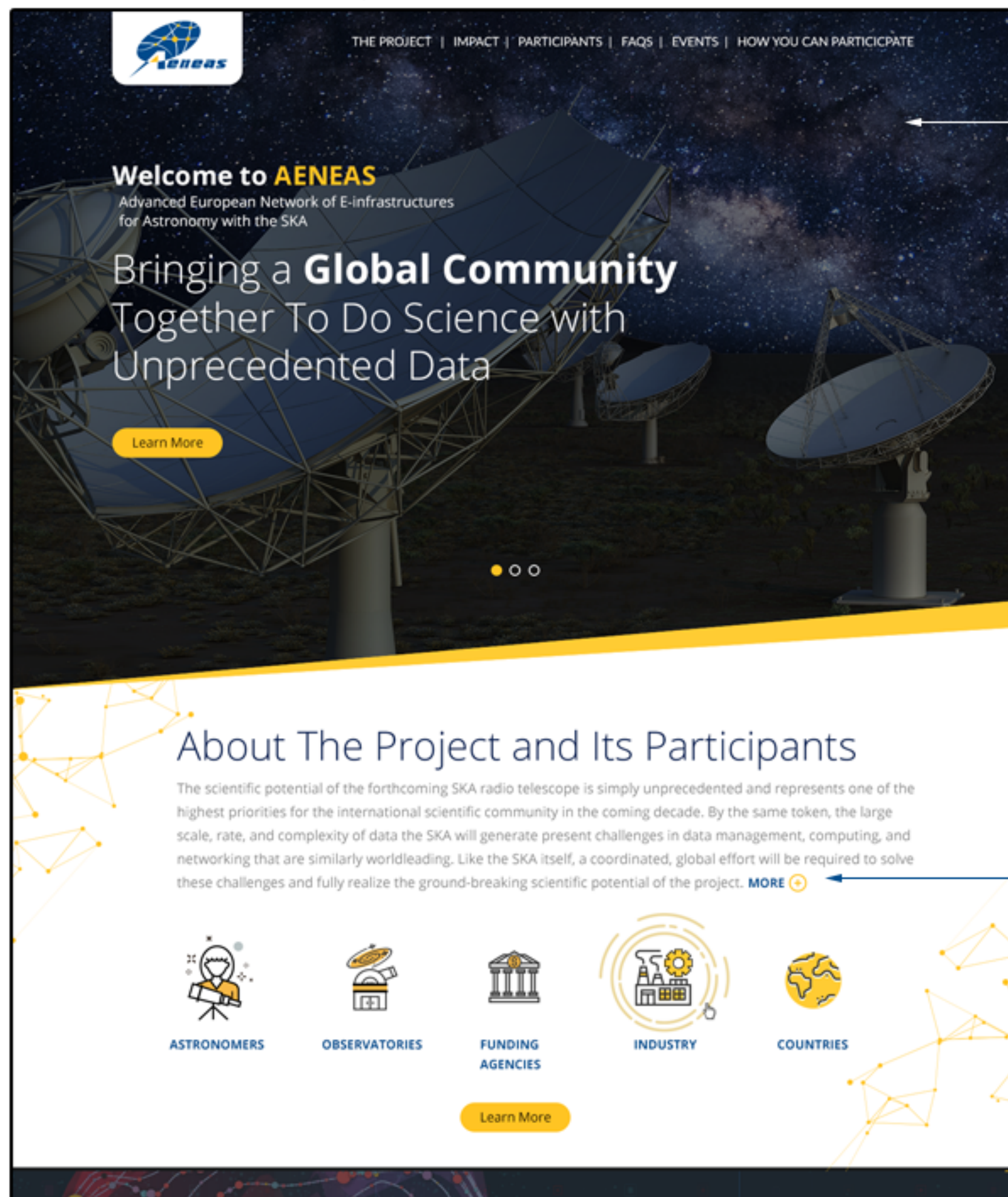
- Channels for each WP
- Cross-WP discussions
- Speed up interactions
- Lower the threshold
- Maintain a record
- Document sharing
- Management overview



### MENU

When the page scrolls the menu will become a thin semi-transparent black bar with the text version of the AENEAS logo

# AENEAS Web Page



### PARALLAXING IMAGERY

Stars on the horizon move when scrolling. There's a script to add random shooting stars and we can also make this a looping video instead so it's always moving.

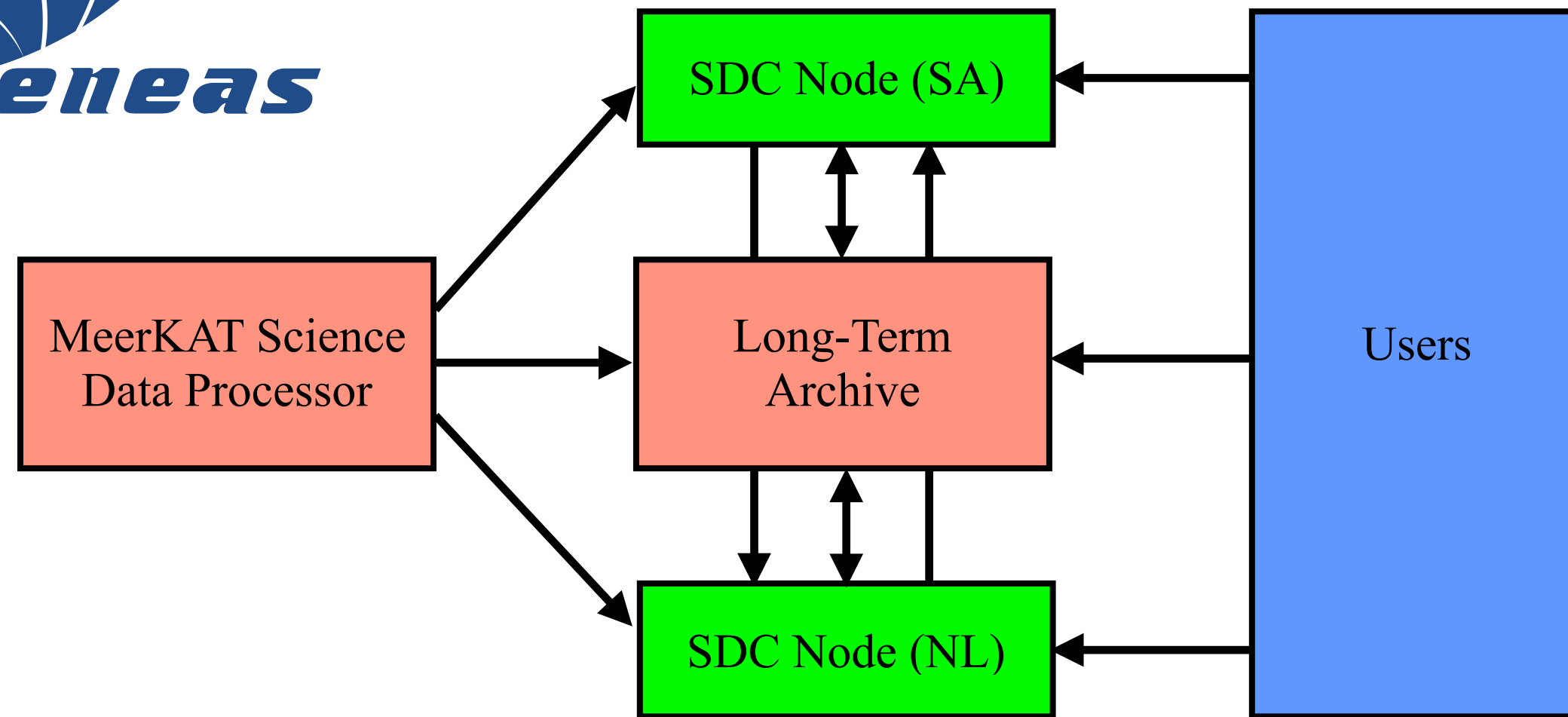
- Website currently under construction
- Primarily aimed at outreach to broad community
- Download library for media and documents
- Portal for access to internal Wiki page

### EXPANDING TEXT

To make the page a little less overwhelming in text (and white background) I placed an expand/collapse button here. We can show all the text if need be but this is more aesthetically pleasing.

*Online in Dec 2017!*





## MeerKAT SDC Prototype

### EOSC pilot Building Blocks

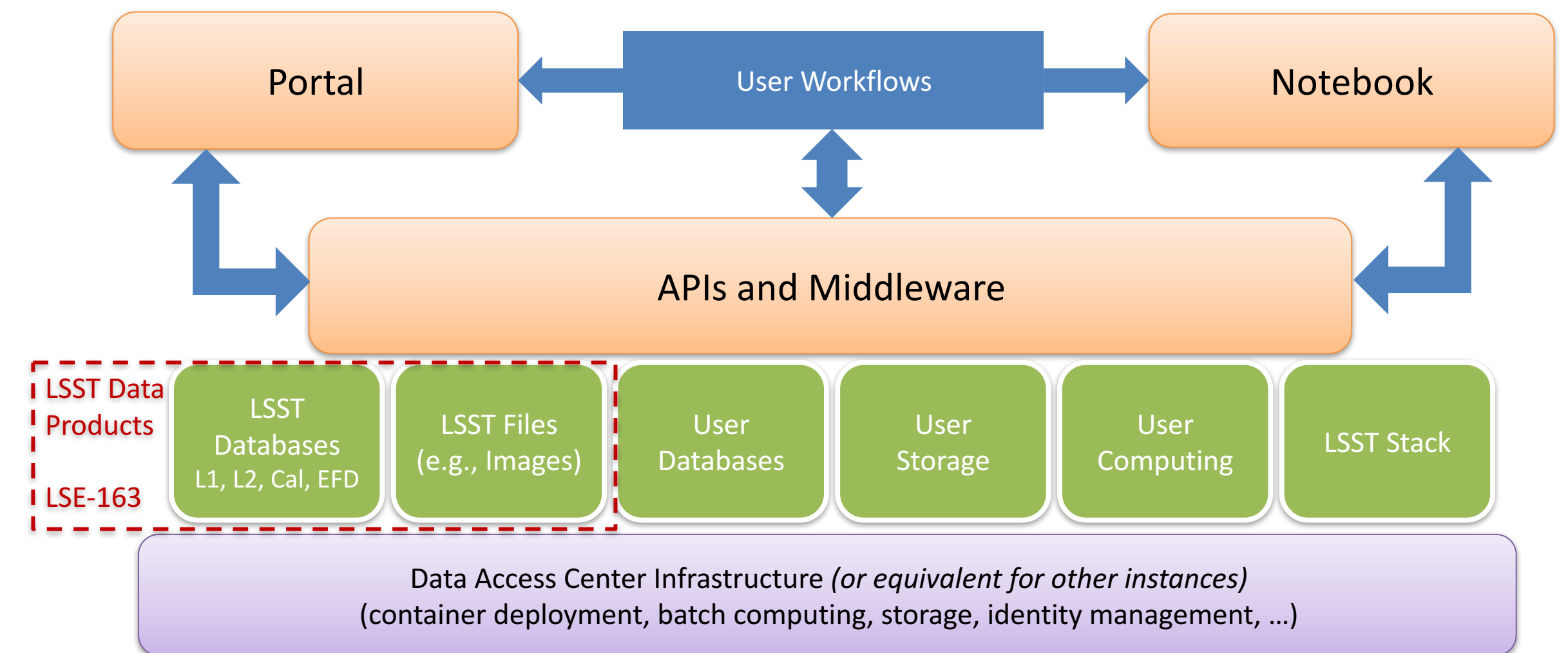
<b>Science Demonstrators</b>	<b>Science Demonstrators</b>
<b>Service Pilots</b>	<i>Science Demonstrators show the relevance and usefulness of EOSC Services and how they enable data reuse, and will drive EOSC development. Current science demonstrators focus on Environmental &amp; Earth Sciences, High Energy Physics, Social Sciences, Life Sciences, Physics. More will be "on-boarded" through Open Calls.</i>
<b>Interoperability Architecture</b>	
<b>Governance Framework</b>	

[DISCOVER MORE](#)

### EOSC pilot Mission

- Facilitating access of researchers across all scientific disciplines to data
- Establishing a **governance** and **business model** that sets the rules for the use of EOSC
- Creating a **cross-border** and **multi-disciplinary open innovation environment** for research data, knowledge and services
- Establishing **global standards for interoperability** for scientific data

# Related Activities



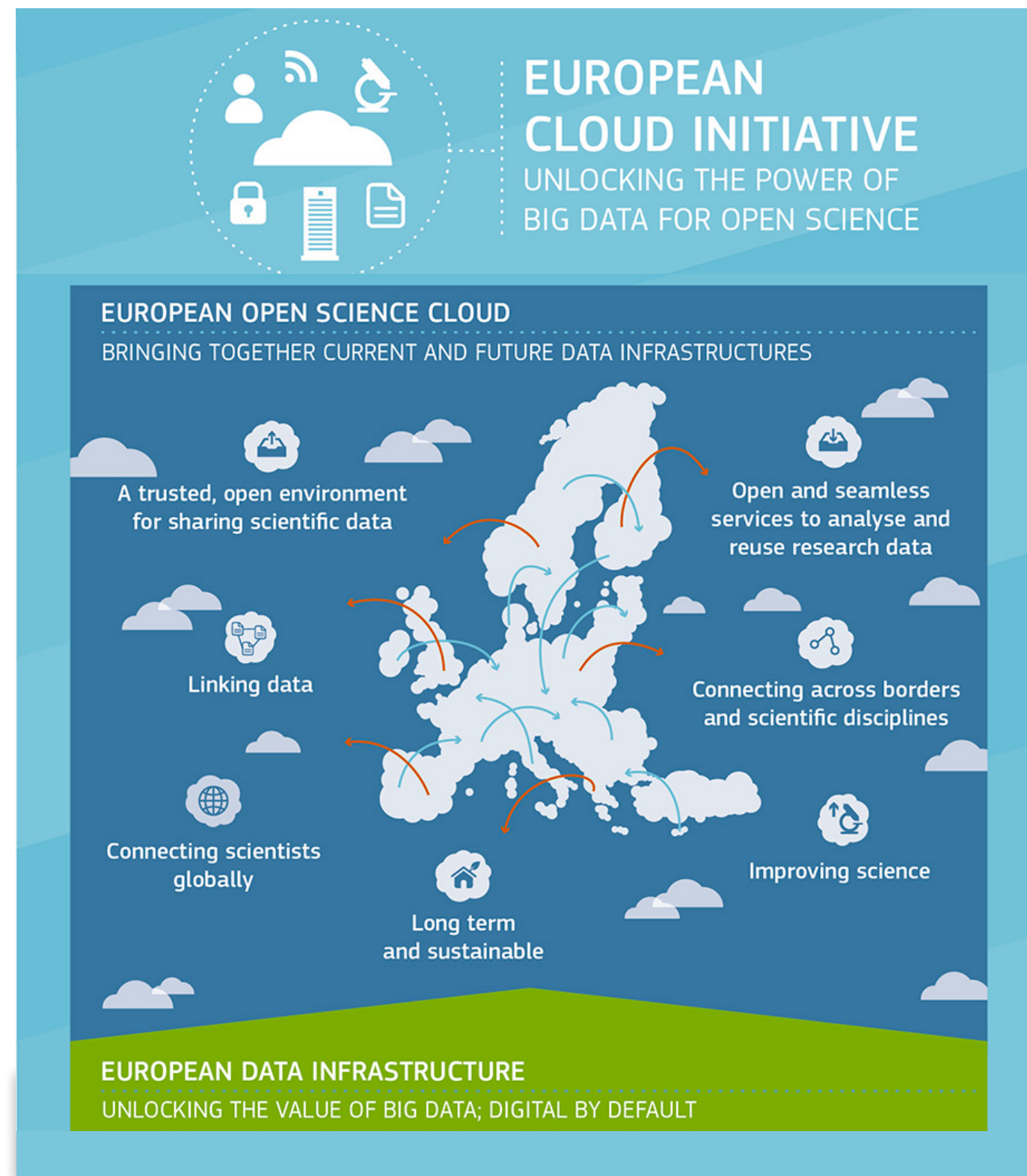
## LSST Science Platform

## EOSC LOFAR Pilot (ASTRON-ILT-SURFsara)





# Strategic Opportunities



**EUROPEAN CLOUD INITIATIVE**  
UNLOCKING THE POWER OF BIG DATA FOR OPEN SCIENCE

**EUROPEAN OPEN SCIENCE CLOUD**  
BRINGING TOGETHER CURRENT AND FUTURE DATA INFRASTRUCTURES

- A trusted, open environment for sharing scientific data
- Open and seamless services to analyse and reuse research data
- Linking data
- Connecting across borders and scientific disciplines
- Connecting scientists globally
- Improving science
- Long term and sustainable

**EUROPEAN DATA INFRASTRUCTURE**  
UNLOCKING THE VALUE OF BIG DATA; DIGITAL BY DEFAULT




**HORIZON 2020**  
The EU Framework Programme for Research and Innovation



UNIVERSITY OF TORONTO  
 DUNLAP INSTITUTE for ASTRONOMY & ASTROPHYSICS  
 UNIVERSITY OF ALBERTA  
 NRAO  
 UNIVERSITY OF MANITOBA  
 CNRC-ARC Canada  
 Queen's UNIVERSITY  
 THE UNIVERSITY OF BRITISH COLUMBIA  
 McGill  
 Cornell University  
 UNIVERSITY OF MINNESOTA  
 Berkeley UNIVERSITY OF CALIFORNIA  
 UNIVERSITY of the WESTERN CAPE  
 ASTRON Netherlands Institute for Radio Astronomy  
 University of Cape Town

**EOSC pilot**  
The European Open Science Cloud for Research Pilot Project



# Summary

- Focus on progress and planning
- Results-oriented, not task focussed
- Keep an eye out for new opportunities