AENEAS WP-2 Plans

Development of ESDC Governance Structure and Business Models

AENEAS Kickoff Meeting
The Hague, February 28, 2017

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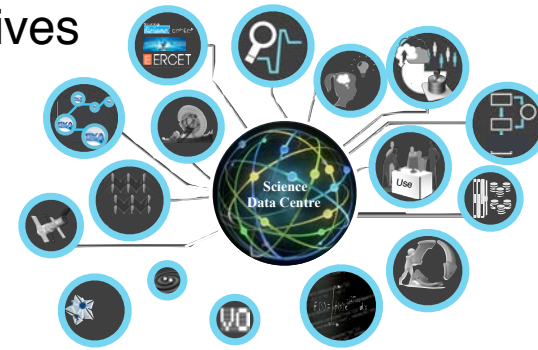
WP2 Objectives

WP3	Computing & Processing Requirements
WP4	Data Transport and Optimal European Storage Topologies
WP5	Data Access and Knowledge Creation
WP6	User Services

- Lead: ASTRON & Chalmers
- Develop a plan for the implementation of ESDC for SKA
  - Build on the technical work in WP3-6
  - Deliver Design Study for ESDC (2.4)
- Develop business models for ESDC that work in the participating countries (2.3)
  - and provide long term stable funding
- Develop a governance model (2.3)
  - in line with SKA project policy
  - define relationships between nodes of ESDC
- Ensure that ESDC delivers what the users want (2.2)
  - Not just the current radio astronomy community
- Identify (potential) providers of infrastructure (2.1)

T2.1 Inventory of Facilities

- T2.1 Inventory of national and European facilities + commercial providers of computing, data storage and networking services; partnerships beyond radio astronomy
- Partners: ASTRON (lead), Chalmers, INAF, UMAN, UCAM, EGI.eu, GÉANT LTD, RDA
- Stakeholders: STFC, MPIfR, Jülich, CNRS, UNIGE, IT, CSIC
- All SKA Member countries + each country interested in hosting to carry out survey (nat'l providers, academic + non-academic, major nat'l initiatives in fields related to SKA data science)
- EGI, GEANT, RDA to provide European level input + support national initiatives
- Look beyond astronomy. Do we know the right people? Must build on local knowledge.
- D2.1 Final Inventory – after review & selection of the most suitable options (Month 12)



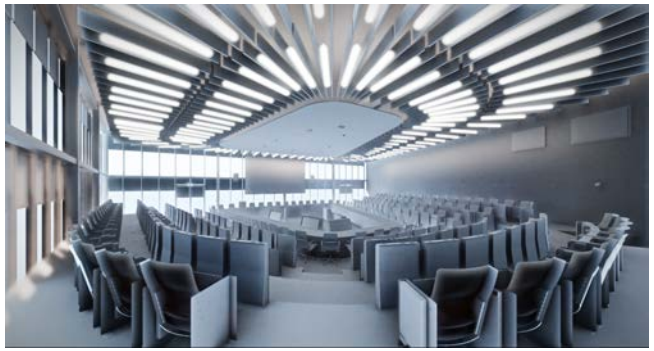
T2.2 User Community Requirements

- T2.2 User community requirements of a European SKA Science Data Centre
- **Partners**: ASTRON (lead), Chalmers
- SDP & SKAO have done work on UR & Use Cases
- Linked to similar initiatives in WP 3 and 5.
- Overlap/links with SRCCG? We are committed to consult users.
- Set up Users Committee - broad representation of SWGs & national representatives. Must be interested/committed to using SKA.
- Get representation from non-radio astronomers.
- Use survey/questionnaires to get further input; advertise at meetings.
- How do we get people interested
- D2.2 ESDC user requirements document will be delivered in (Month 18)

WP3 Computing & Processing Requirements
WP5 Data Access and Knowledge Creation

T2.3 Governance & Business Models

- T2.3 Governance and Business models for a European SKA Data Centre
- **Partners**: ASTRON (lead), Chalmers, INAF, UMAN, UCAM,
- **Stakeholders**: SKAO, STFC, MPIfR, JIV-ERIC, ILT, Jülich, CNRS, UNIGE, IT, CSIC
- User community requirements of a European SKA Science Data Centre
- Who is reponsible for setting up ESDC node in each country?
- Financial underpinning of each node (national/local business plans).
- What are the boundary conditions on providing SKA data.
- Draw up rules that must be incorporated in agreements/contracts (SLAs).
- Make clear what role each node plays (scientific or regional emphasis)
- D2.3 ESDC (preliminary) implementation plan – (Month 36)



T2.4 SKA SDC Design Study

- T2.4 Design Study of a European SKA Science Data Centre
- **Partners**: ASTRON (lead), Chalmers, INAF, UMAN, UCAM, EGI.eu, GÉANT LTD, RDA
- **Stakeholders**: SKAO, STFC, MPIfR, JIV-ERIC, ILT, Jülich, CNRS, UNIGE, IT, CSIC
- Compile SDC Design Study based on WP 3-6 input
- D2.4 ESDC Design Study – Final Version (Month 33)
- Deliver in stages (releases); providing more detail at each step.
- Keep implementation aspects separate. Is that possible?