

- **What are the main issues for the SKA project?**

- science drivers

- engineering solutions

- Cost (area, frequency range, FoV, baseline length)

- funding

- timeline

- governance

- operations

- impact on the community

- **What decisions have to be made, and when?**

- upper frequency limit, full frequency range on one site or two, separate projects or under one international umbrella, etc?

- **What information do we need to make the necessary decisions?**

- **How do we match our roadmap to funding cycles around the world?**

# Funding Agencies

- Have engaged with the SKA project, and are already telling us what to do
- From which we can conclude that they take the SKA project seriously, and think it will be built
- Not yet clear in their minds when it will be built, and for what level of resources
- With the international spotlight now on the global project it's up to us to provide a coherent picture of the telescope, the funding needed and the timeline
- FP7 Preparatory Study will provide a framework and a timescale for inter-governmental decisions leading to a “signature-ready” draft MoU to construct the SKA

## ■ Reference Design

What is an affordable version of the RD?

Dish size and efficiency

AA frequency range

AA long baselines

Survey requirements on FoV

Power requirements - MegaWatts are expensive

## ■ Phase 1(10% area)

Frequency range?

Configuration? Baseline length?

First 10% of a continuous build or still a pathfinder with opportunity for redesign?

## ■ Engaging industry

Why do it? (mass production and fast deployment)

How?

When?

What effects will that have on the project specifications and costs?

## ■ Project management

- Work Breakdown Structure for the complete project

with entries for SKADS, the Pathfinder projects, and the US Technology Development Program

Demonstrates to ourselves and the outside world that we are engaged in a coherent global engineering development

Highlights areas where work is needed

Could lead to government agreements on technology procurement

- How to meet the project timeline?
- How to assemble the System Design Team?