MUMBAI

SKA-India

Leveraging Collaboration for Indian Science and Industry

Prabu Thiagaraj, RAMAN RESEARCH INSTITUTE, BANGALORE

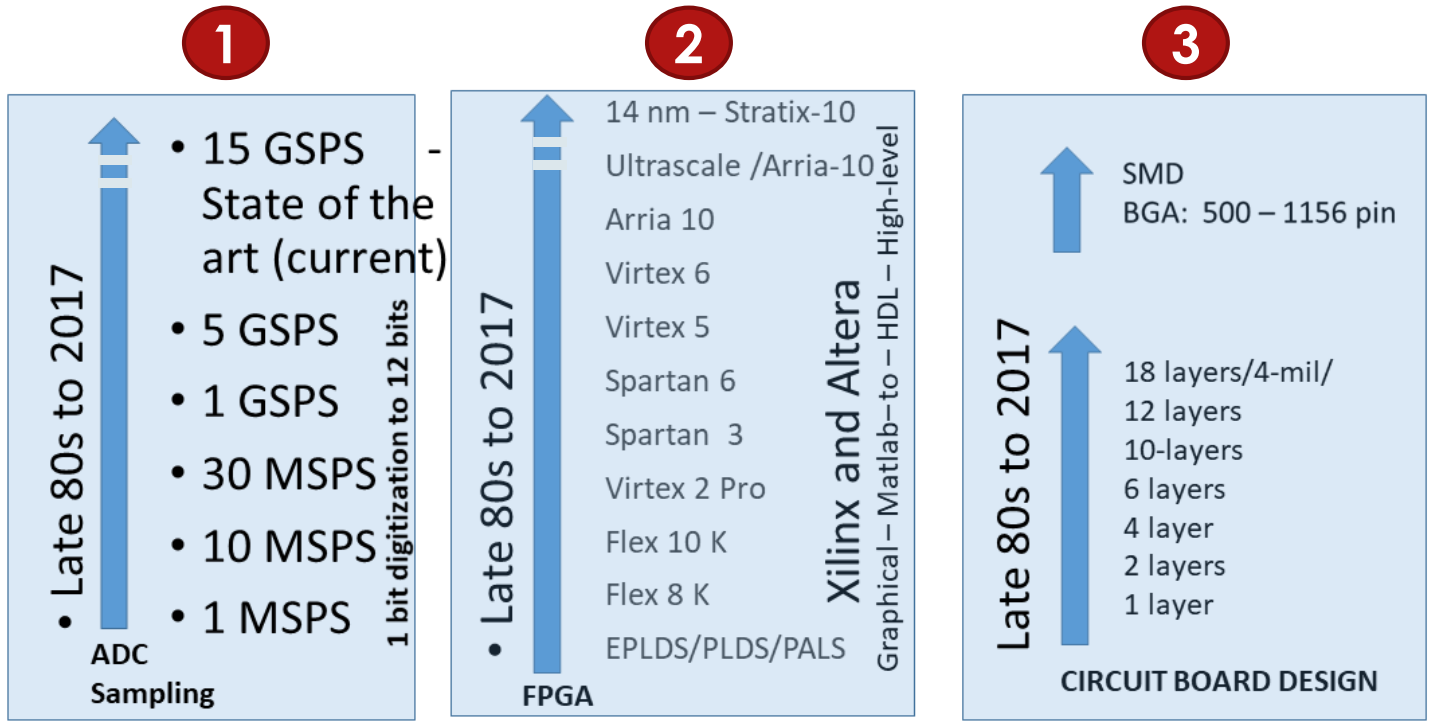
9 MAY 2019 – NEHRU SCIENCE CENTRE - MUMBAI

Cutting Edge Science and Cutting Edge Technology

Radio Astronomy Instrumentation Expertise

INDIAN SCIENCE INSTITUTES and INDUSTRY – Major Contributors

Relevant Technology within India



Cutting Edge Science and Cutting Edge Technology

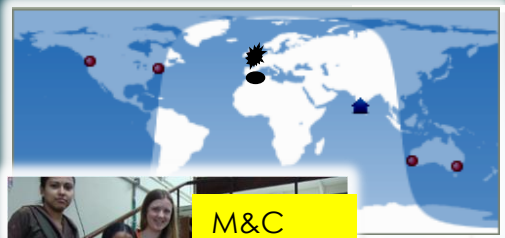
4 Make State of-the-art technology products from India

Murchison Widefield Array

SKA INDIA
MUMBAI

1 SKA-Low site in Western Australia
SKA Precursor telescope - MWA

2 128 Antenna Digital receivers
Design / HW / FW / Commissioning



3 RAMAN RESEARCH INSTITUTE with an International* team

Infrastructure

Costs

working areas

* 2013

4 Industry involvement:
Design - Assembly – Validation
1) Kamal Elecronics
2) HiQ Electronics
3) SMILE Electronics

5 Student Participation

6 **Synergy - Relevant experience & beyond**

SKA Low LFAA

Panel members:

Persistent Systems: **Ms Snehal Valame**

Tata Consultancy Services: **Mr Vikas Kumthekar**