

PROGRAMME
SKA Days PT
6-7 February 2018

6 FEBRUARY
Covilhã

Organization:

FCT, IT, ENGAGE SKA, Tice.pt, UBI, Parkurbis, C.M. Covilhã, Altice

12h00 - Reception & Lunch (UBI)

Session A: The Square Kilometer Array (SKA) – Global Challenges, Global Linkages, Global Opportunities

Digital Infrastructures for SKA and large scale infrastructures - From Submarine Cables to Big Data Challenges

Moderator: Paulo Moniz, UBI (tbc)

Venue: Salão Nobre of Covilhã

14h00 – Welcome

Vítor Pereira, Mayor of Covilhã

14h10 – Opening

Pedro Marques, Portuguese Minister for Planning and Infrastructures (tbc)

14h30 - The FCCN/FCT National Infrastructure and ICT Challenges

João Nuno Ferreira, FCT - FCCN

14h55 - “The SKA ICT Challenge” (+ 10 mins questions)

Alistair McPherson, SKA Deputy Director-General

15h20 - Science and International Cooperation, Robert Braun, SKA Project Scientist (tbc)

15h35 -Science and International Cooperation Cyberinfrastructures: from Portugal to SKA, from SKA to AENEAS

João Paulo Barraca, UA, ENGAGE SKA

Session B: Why Portugal: Green ICT - towards Incode.2030

Moderator: Vasco Lagarto (TICE)

Alexandre Fonseca, Altice (CEO)

PRACE and Advanced Computing contributions – from SKA to Society, Pedro Alberto, UC

INESC-TEC - Advanced Supercomputing and Big Data at Minho (tbc)

Round table

Debate on Innovation and Business planning of Large Projects and alignment with current trends (Smartcities, Incode2030):

Visabeira

IBM

Altice

Voltalia Portugal

INESC- TEC - Green Energy Challenges: Portugal Experience from Science to market

16h30 - Closing remarks: Research Infrastructures in Centro

Ana Abrunhosa, President of CCDR-Centro (tbc)

17h00 - Visit to Data Centre & reception

18h00 – Departure to Lisboa

7 FEBRUARY

Lisboa

Auditório da Fundação D. Pedro IV
(Av. D. Carlos I, 124 J)

9h00 - Registrations

9h30 - Welcoming words and key objectives of the SKA Day in Portugal

João Nuno Ferreira, FCT - FCCN; Luis Castro Henriques, AICEP (tbc); Luísa Mendes, ANACOM,
President of URSI-PT (tbc), Carlos Salema, IT

Session 1: The Square Kilometer Array (SKA) – Global Challenges, Global Linkages, Global Opportunities

Moderator: Carlos Salema, IT

10h00 - Presentation of the SKA Project

Alistair McPherson, SKA Deputy-Director General

10h25 - Science with SKA

Robert Braun, SKA Science Director

10h50 - Questions, answers and debate session (10 min)

11h00 - Coffee break

11h20 - The EngageSKA Science Research Infrastructure

Domingos Barbosa, EngageSKA coordinator

11h30 - Using Advanced Computing to solve Big data problems (from Science to Society)

Jorge Almeida, Critical Software

11h45 - Promoting the Interface with industry and society: the role of Research and Technology Infrastructures in the innovation system

Ricardo Migueis, ANI

12h00 – Closure of morning Session

Manuel Caldeira Cabral, Portuguese Minister for Economy (tbc)

12h30 – Lunch

Session 2: Science talks preparing for SKA and beyond

Moderator: FCT

13h30 - Pitch Science talks (7 min + 5')

Cosmology with SKA - Orfeu Bertolami, FCUP, Pres. Dep. FIS &A Astronomia

Fundamental Physics with pulsars and BH in the SKA era - Paulo Freire, Max Planck

Neutron Stars, Constança Providência, U. Coimbra

Galaxy evolution research in the SKA era - Sonia Anton, UA, ENGAGE SKA

Transient phenomena with SKA - Valério Ribeiro, UA, ENGAGE SKA

HI Gas in Star-Forming Dwarf Galaxies: The SKA Perspective - Mercedes Filho, FEUP, Sim-FCUL

Solar Physics and Space weather with SKA - Dalmiro Maia, FCUP, ENGAGE SKA

Galaxies with SKA pathfinders and precursors - José Afonso, IA, FCUL

Cradle of Life with SKA - Alexandre Correia, UA, ENGAGE SKA

Operating telescopes: from Telescope Manager to SDP - Bruno Morgado, IT/FCUP, ENGAGE

Session 3: Preparing for SKA and beyond

Moderator: FCT

14h45 - Science for Development

Pedro Russo, Leiden, European Regional Office of Astronomy for Development

15h00 - EU VLBI network - Synergies with AIR

Paco Colomer, Director of JIVE-ERIC

15h20 - Questions, answers and debate session (10 min)

15h30 - Coffee break

Session 4: Why Portugal: Industrial Capacity

Moderator: ANI

15h00 – From receiver technologies to Big Data and Energy

LC Technologies, Receiver technologies, Luis Cupido (CEO)

Tekever - Pedro Rodrigues/Rui Oliveira (tbc)

Ubiwhere, “Big Data and Smart Cities, Hand in Hand”, Rui Costa (CEO)

Spin Works/Deimos (tbc)

Energy and ICT Integration

ProEF (tbc)

Voltaia Portugal, José Amador (Business Manager)

DST Telecom, João Matos (CEO)

16h45 - Concluding remarks and workshop closure

Paulo Ferrão, President of Fundação para a Ciência e a Tecnologia (FCT)

Daan du Toit, DST South Africa, Chairman of SKA STRACOM

Rapporteur of the event

Orfeu Bertolami, FCUP, Pres. Dep. FIS &A Astronomia