

PROGRAMME
SKA Days PT
6-7 February 2018

6 FEBRUARY
Covilhã

Venue: Salão Nobre of C.M. Covilhã
[GPS Coordinates: N 40º 22' 28.20"; W7º 28' 3.11"]

Organization:

FCT, TICE.pt, Instituto de Telecomunicações, FCUP, UBI, Parkurbis, C.M. Covilhã, Altice, ENGAGE SKA

12h00 - Reception & Lunch (UBI Rectorate)

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

Venue: Salão Nobre of Covilhã

14h00 – Welcome

Vítor Pereira, Mayor of Covilhã

14h10 – Opening

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

Ana Abrunhosa, President of the Coordination Commission of Centro Region

António Fidalgo, Rector of UBI

14h40 - The FCCN/FCT National Infrastructure and ICT Challenges

João Nuno Ferreira, FCT - FCCN

14h55 - “The SKA ICT Challenge” (+ 5 mins questions)

Alistair McPherson, SKA Deputy Director-General

15h15 - Science and International Cooperation, Robert Braun, SKA Project Scientist (tbc)

15h30 -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/UM - Advanced Supercomputing and Big Data at Minho (tbc)

Round table

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

Luís Silva, Visabeira

Altice

José Amador, Voltalia Portugal

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

16h30 - Closing remarks: Vasco Lagarto, TICE; Alexandre Fonseca, CEO Altice Portugal

Visit to Data Centre & reception

18h00 – Departure to Lisboa

7 FEBRUARY

Lisboa

Auditório da Fundação D. Pedro IV

(Av. D. Carlos I, 124 J)

[GPS Coordinates: N 38°42'35.62"N; W 9° 9'11.55"W]

9h00 - Registrations

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

João Nuno Ferreira, FCT - FCCN; José Pedro Borrego, ANACOM e URSI; Carlos Salema, IT;
Cândida Lobo, AICEP

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

12h30 – Lunch

Session 2: Science talks preparing for SKA and beyond

Moderator: FCT

13h30 - Operating telescopes: from the SKA Telescope Manager to SDP - Bruno Morgado, FCUP, ENGAGE

13h40 - Pitch Science talks (7 min + 5')

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

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

Neutron Stars, Constança Providência, U. Coimbra

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

High energy phenomena in SKA era; panchromatic synergies - Sonia Anton, UA, ENGAGE SKA

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

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

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

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

Session 3: SKA and beyond

Moderator: FCT

15h10 - Science for Development

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

15h20 - EU VLBI network - Synergies with AIR

Paco Colomer, Director of JIVE-ERIC

15h35 - The AIR Center, Synergies with SKA

António Sarmento, AIR Center

15h345 - Coffee break

Session 4: Why Portugal: Industrial Capacity

Moderator: ANI/FCT

16h00 – Ubiwhere, “Big Data and Smart Cities, Hand in Hand” - Rui Costa (CEO)

LC Technologies, « Receiver technologies - Luís Cupido (CEO)

Tekever, "Communications technologies in support of radioastronomy", Pedro Rodrigues,
Head of Space Systems Division

Deimos (tbc)

ProEF, Pedro Rodrigues, RNPO Manager

Voltaia Portugal, José Amador, BUSINESS MANAGER

DST Telecom, João Matos (CEO)

TBC talk on Receiver for pulsars/optical beamforming

17h00 - 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 the SKA Business & strategy Committee

Rapporteur of the event

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