



Programme 27 June 2018 –Time CEST – ERASMUS Centre – Auditorium

Time	Activity	Details	Presenter(s)
14.00	Opening	ESA Welcome	B. Hufenbach, ESA
14.10	<i>Who is in?</i>	Interactive audience introduction	V. La Regina, RHEA BV for ESA
14.15	Enabling a new breed of space missions	<ul style="list-style-type: none"> • Exploring cold, dark environments in the solar system • Human operations in Space • Long duration missions 	M. Caporicci, ESA P. Falkner, ESA L. Dudzinski, NASA
14.45	Non space sectors viewpoint	Digital interaction with the audience	V. La Regina, RHEA BV for ESA
14.50	ESA Commercial partnership for Space Exploration	Policy frame	B. Hufenbach, ESA
15.00	National Nuclear Laboratory: partnership proposal	Emerging an European capacity for radioisotope provision for space and non-space applications	T. Tinsley, NNL
15.30	<i>Coffee – break</i>	<i>Networking opportunity</i>	
16.00	Radio-isotope applications for non-space purposes	<ul style="list-style-type: none"> • Medical applications • Oil & Gas detection • Safety warning systems • Disaster management 	D. Hess, WNA
16.30	Space sectors viewpoint	Digital interaction with the audience	V. La Regina, RHEA BV for ESA
16.35	State-of-the-art of the technology	<ul style="list-style-type: none"> • Fuel, pellets, sources • Encapsulation • Power conversion • Pathways to launch authorisation 	K. Stephenson, ESA
17.05	<i>End of the day</i>	<i>Networking opportunity</i>	

Colour Legend per activity:

Welcome	Digital Interaction	Presentation	Networking	Panel	Instructions	Working group
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Programme 28 June 2018 – morning session (AM) –Time CEST - ERASMUS Centre – High Bay

Time	Activity	Details	Presenter(s)
09.00	Opening of the day		
09.15	Using radioisotope on Space Missions and in terrestrial applications	Value proposition to build confidence in the business case	Chairperson: D. Hess (WNA) Panellists: <ul style="list-style-type: none"> • T. Tinsley, NNL; • C. Fongarland Ariane Group, • V. Massaut, SCK-CEN • L. Dudzinski, NASA • M. Caporicci, ESA
10.00	<i>Opening of the working group</i>	Instruction on how to work together	V. La Regina, RHEA BV for ESA
10.10	Focus on Demand products	Interactive audience query about: <ul style="list-style-type: none"> • What products? • 241-Am [kg/year] 	V. La Regina, RHEA BV for ESA
10.20	How to serve efficiently the market	Working groups on: <ul style="list-style-type: none"> • Costs structures (A) • Revenues breakdown (B) 	All participants Rapporteur (A): R. Konings, JRC Rapporteur (B): N. Harden, NNL
11.00	Reports from Working groups		A: R. Konings, JRC B: N. Harden, NNL
11.20	<i>Coffee – break</i>	<i>Networking opportunity</i>	
11.50	The word from the stakeholders: High-Low Interests & High-Low Influence	Key concerns and key activities: interest and influence	Chairperson: E. Seaman, UKSA Panellists: <ul style="list-style-type: none"> • A. Montisci, Univ Cagliari; • R. Konings, JRC; • F. Mascari, ENEA; • R. Ambrosi, Leicester University; • B. Bonnardel, AB5 Consulting • A. Alemany, Grenoble INP; • S.Harison, UN COPOUS
12.30	<i>Lunch break</i>	<i>Networking opportunity</i>	

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Programme 28 June 2018 – afternoon session (PM) –Time CEST - ERASMUS Centre – High Bay

Time	Activity	Details	Presenter(s)
14.00	<i>Opening of the working group</i>	Instruction on how to work together	V. La Regina, RHEA BV for ESA
14.05	How to build a successful partnership with a sustainable business model?	Working groups on: <ul style="list-style-type: none"> • Challenges (I) • Alliance (II) • Customer relations (III) 	All participants Rapporteur (I): M. Landgraf, ESA Rapporteur (II): N. Harden, NNL Rapporteur (III): E. Seaman, UKSA
15.00	<i>Coffee – break</i>	<i>Networking opportunity</i>	
15.30	Pathway to industrialization	Enabling partners to express vision of the future partnerships (positive, progressive, rational, factual)	Chairperson: R. Ambrosi, Leicester University Panelists: <ul style="list-style-type: none"> • S. Wiseman, Oil & Gas Technology Centre; • C. Stroud, Lockheed Martin UK; • K. Stephenson, ESA; • D. Kramer, University of Dayton; • O. Pla, ORANO
16.10	Validation of the partnership models & business cases	Interactions with the audience	(I): M. Landgraf, ESA (II): N. Harden, NNL (III): E. Seaman, UKSA
16.40	Conclusions & Way forwards	Final statement	T. Tinsley, NNL V. La Regina, RHEA BV for ESA
17.15	Takeaways	Digital interaction with the audience	V. La Regina, RHEA BV for ESA

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Welcome	Digital Interaction	Presentation	Networking	Panel	Instructions	Working group
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