



IDEAS-QA4EO general framework and service

19th February 2020, University La Sapienza

John Swinton

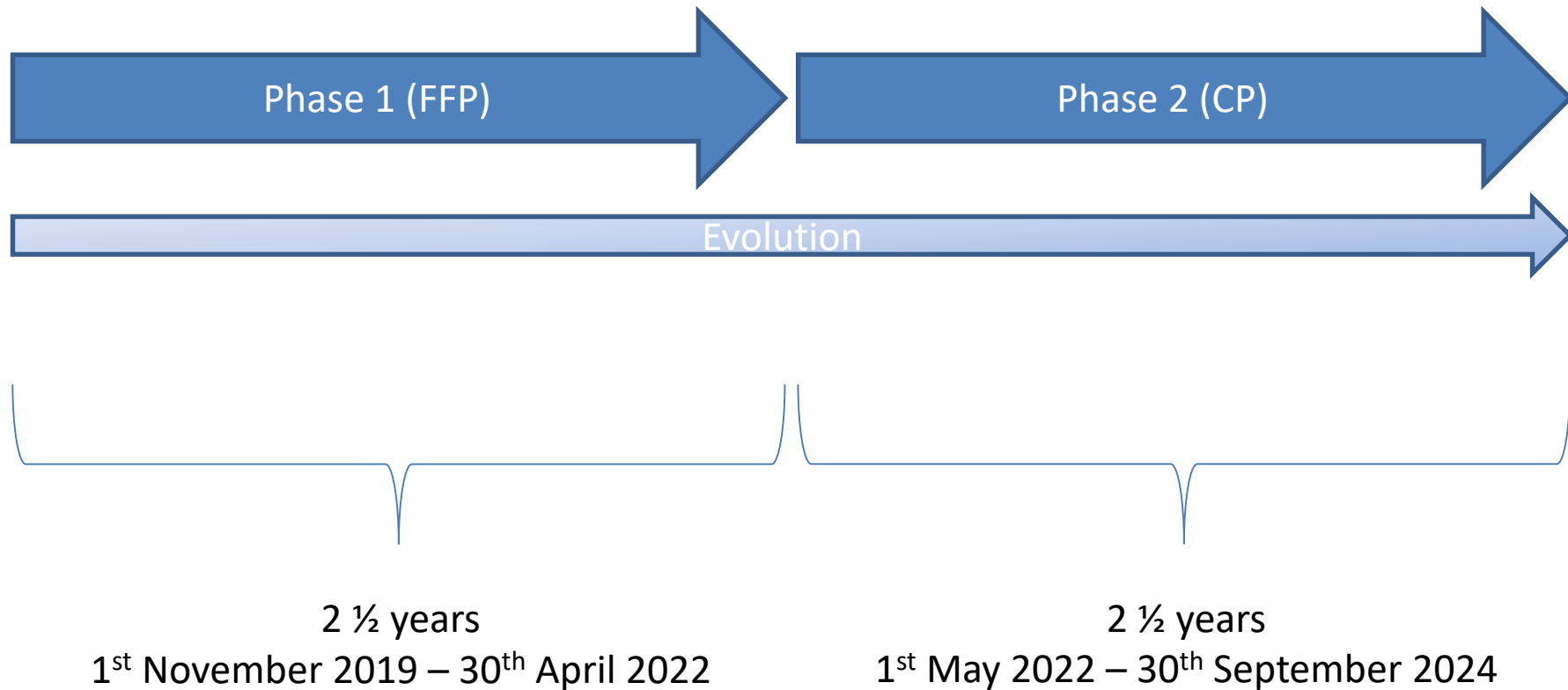
IDEAS-QA4EO Service Manager

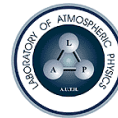
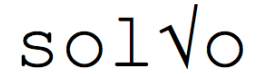
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Introduction to IDEAS-QA4EO Service

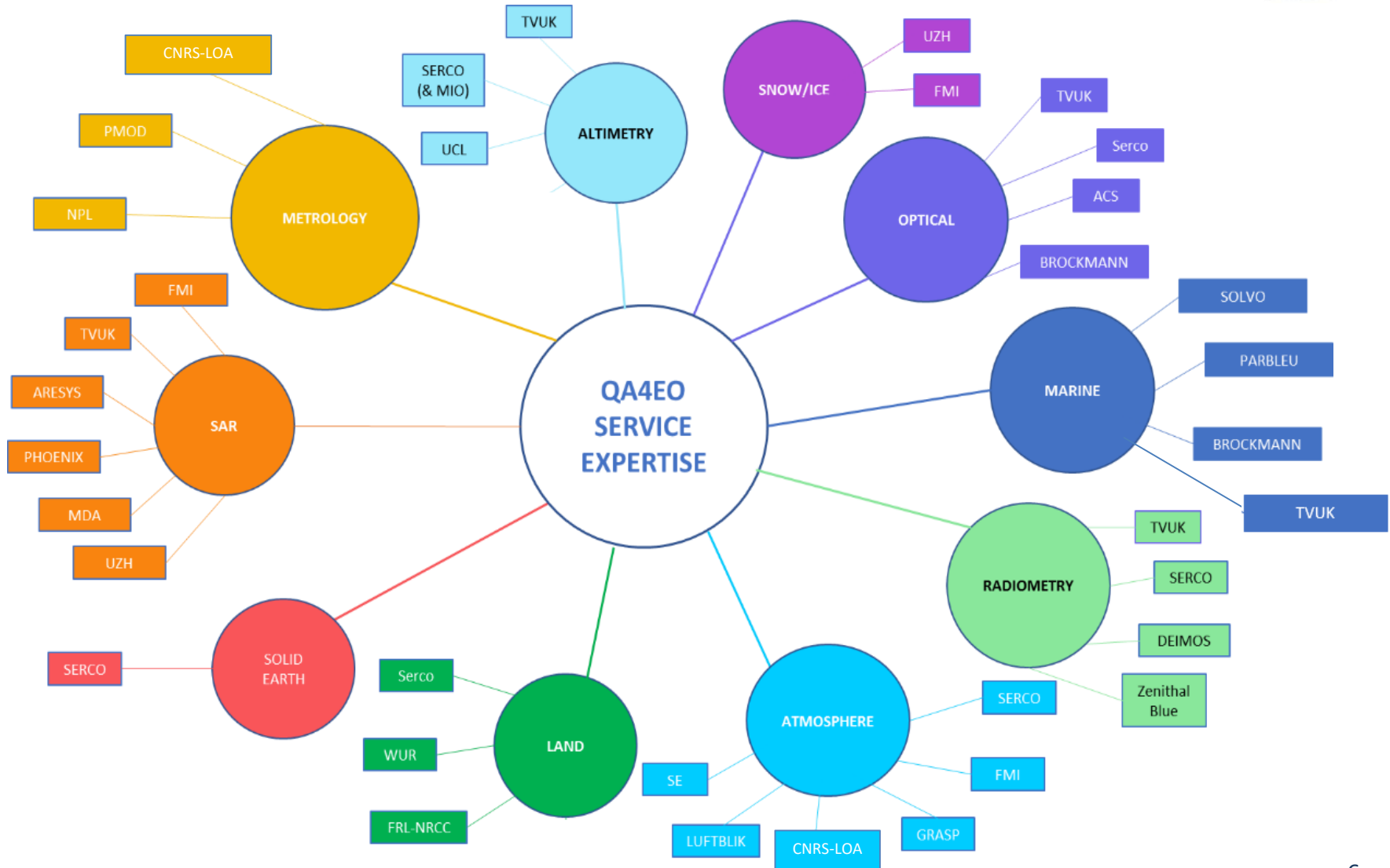




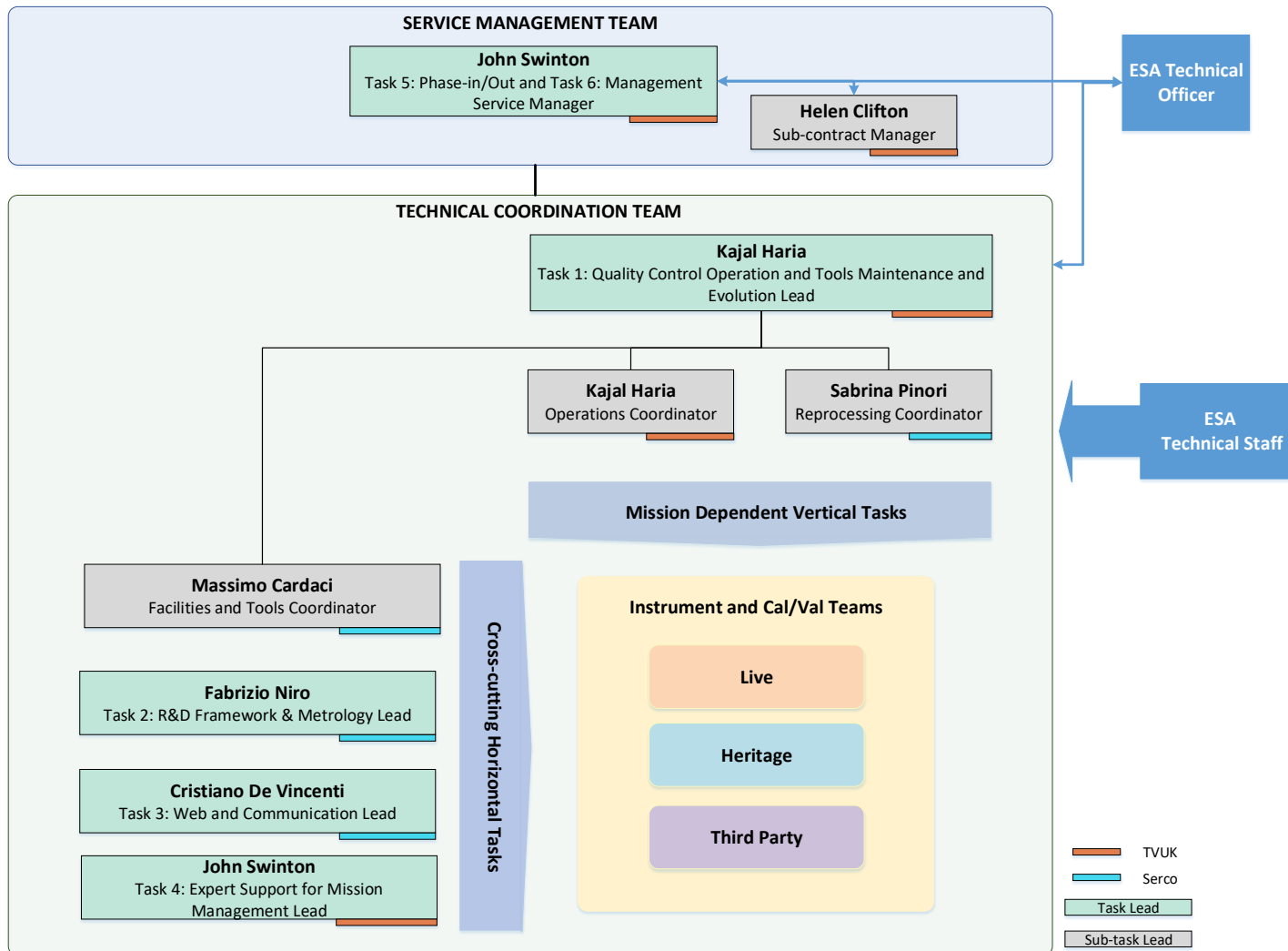
Who does what...



IDEAS-QA4EO Service - Clusters



IDEAS-QA4EO Service Team



IDEAS-QA4EO Service Task 1



SERVICE INSTRUMENT TEAM LEADS

Domain of Expertise	Instrument	Names
Optical	Landsat Series	Sebastien Saunier (TVUK) Tom Beaton (TVUK) Dr Samantha Lavender (TVUK)
	JERS-1 Optical	Sébastien Saunier (TVUK)
	ALOS AVNIR/PRISM	Sébastien Saunier (TVUK) Fay Done (TVUK)
	OceanSat2	Dr Samantha Lavender (TVUK)
	Proba-1	Dr Samantha Lavender (TVUK)
	(A)ATSR	Pauline Cocevar (TVUK) Fay Done (TVUK)
	MERIS	Jan Wevers (Brockman Consult)
SAR	JERS-1 SAR	Andrea Recchia (Aresys)
	ALOS PALSAR	Andy Smith (PhoenixSystems)
	(A)SAR	Kajal Haria (TVUK) Riccardo Piantanida (Aresys)
Atmospheric	ODIN	Massimo Valeri (Serco)
	GOME/GOMOS	Pekka Verronen (FMI)
	SCIAMACHY	Pekka Verronen (FMI)
	MIPAS	Pekka Verronen (FMI)
Altimetry	CryoSat	Erica Webb (TVUK) Ben Wright (TVUK)
	RA(-2)/MWR	Sabrina Pinori (Serco)
Radiometry	SMOS	Verena Rodríguez González (TVUK) Raúl Díez-García (TVUK) Roger Olivia (TVUK)
Solid Earth	GOCE	Marco Meloni (Serco)

IDEAS-QA4EO Service Task 2



- Task 2: R&D Cal/Val and Metrology
 - Replacing previous IDEAS+ Task 3
 - Mission independent task and involves R&D for Cal/Val and algorithms, and Metrology
 - Task 2 Lead and Cal/Val Coordinator: **Fabrizio Niro**
 - Supported by Project Controller: **Francesca Pizzoccaro**
 - Task 2 Lead is supported by Cal/Val Team
 - Specialised team of scientists and engineers to address the various technical requirements identified within this task

IDEAS-QA4EO Service Task 2



SERVICE CAL/VAL LEADS

Role	Organisation
Task 2.1.1a: Land Cal/Val and Algorithm: Forest Site	Martin Herold (WUR)
Task 2.1.1b: Land Cal/Val and Algorithm: Peatland Site	Raymond Soffer (NRCC)
Task 2.1.2: Innovative methods for in-flight calibration	Stephen Mackin (EOSense)
Task 2.1.3a: Marine Cal/Val and Algorithm: Coastal Altimetry	Marco Meloni (Serco) Andrea Doglioli (MIO)
Task 2.1.3b: Marine Cal/Val and Algorithm: Ocean Colour	Constant Mazeran (Solvo) Francis Zagolski (ParBleu)
Task 2.1.4a: Snow/Ice Cal/Val and Algorithms: SAR processing for Snow products	David Small (UZH)
Task 2.1.4b: Snow/Ice Cal/Val and Algorithms: Snow Products and Reference Dataset	Kari Luojus (FMI)
Task 2.1.5a: Atmosphere Cal/Val and Algorithm: Aerosol Retrieval Algorithm	Pavel Litvinov (GRASP) Oleg Dubovik (CNRS-LOA)
Task 2.1.5b: Atmosphere Cal/Val and Algorithm: Aerosol Cal/Val campaigns	Philippe Goloub (CNRS-LOA) Oleg Dubovik (CNRS-LOA)
Task 2.1.6a: Support to Pandonia Cal/Val activities: Network	Alexander Cede (Luftblick)
Task 2.1.6b: Support to Pandonia Cal/Val activities: Algorithms	Juergen Fischer (Spectral Earth)
Task 2.2.1: Metrology R&D and support to FDR	Nigel Fox (NPL)
Task 2.2.2: Metrology for Solar Radiation	Julian Groebner (PMOD)
Task 2.2.3: Metrology for Aerosol	Philippe Goloub (CNRS-LOA) Oleg Dubovik (CNRS-LOA)

IDEAS-QA4EO Service Task 3



- Task 3: Web Service and Communication Team
 - Formerly IDEAS+ Service Task 4
 - Task 3 Lead: **Cristiano De Vincenti**
 - Supporting ESA SPPA web portal content management on the current website. Also includes:
 - Activities for migration to new infrastructure and content management on this new website
 - Outreach activities in relation to increasing presence on social media and management of workshops/conferences
 - Web portal operations will be gradually handed over to FMI in Year 2.
 - The Task will continue to be led by Cristiano

IDEAS-QA4EO Service Task 4



- Task 4: Expert Support to Mission Management
 - Responsible for the support and coordination of the on-site or near-site staff at ESA ESRIN premises
 - Task 4 Lead: **John Swinton**
 - Support to coordination provided by Fabrizio Niro/Massimo Cardaci

Task 4 EXPERT SUPPORT TEAM

Specific Expert Support	Appointed Personnel
SMOS mission	Raffaele Crapolicchio (L1) (Serco) Roberto Sabia (L2) (TVUK)
CryoSat and GOCE missions	Marco Meloni (Serco)
PROBA-V and optical sensor missions management	Fabrizio Niro (Serco)
Landsat and optical (HR/MR) sensor missions management	TBC – (Georgia Doxani – maternity) (Serco)
Atmospheric missions management	Stefano Casadio (Serco)
Cal/Val systems maintenance, evolution and management	Paolo Castracane (RHEA)
LTDP SPPA activities	Gabriele Brizzi (Serco)

Task 2 Evolution Plan



- CCN002 (Task 2 only listed below) – due in mid March 2020
 - NPL (Metrology coordination)
 - EOSense (Prototype data quality processing and analysis system)
 - Serco (Sorbetto workshop)
 - GEO-K & Uni Tor Vergata (BRDF validation)
 - HYGEO (PROBA-V A/C)
 - Uni Thessaloniki (Ozone Profiling and Aerosol Height)
 - Brockmann Consult (ACIX/CMIX)



Questions