

# SEEDS - Sentinel EO-based Emission and Deposition Service



## WP7 : Managing SEEDS Implementation

L. Tarrasón (NILU)

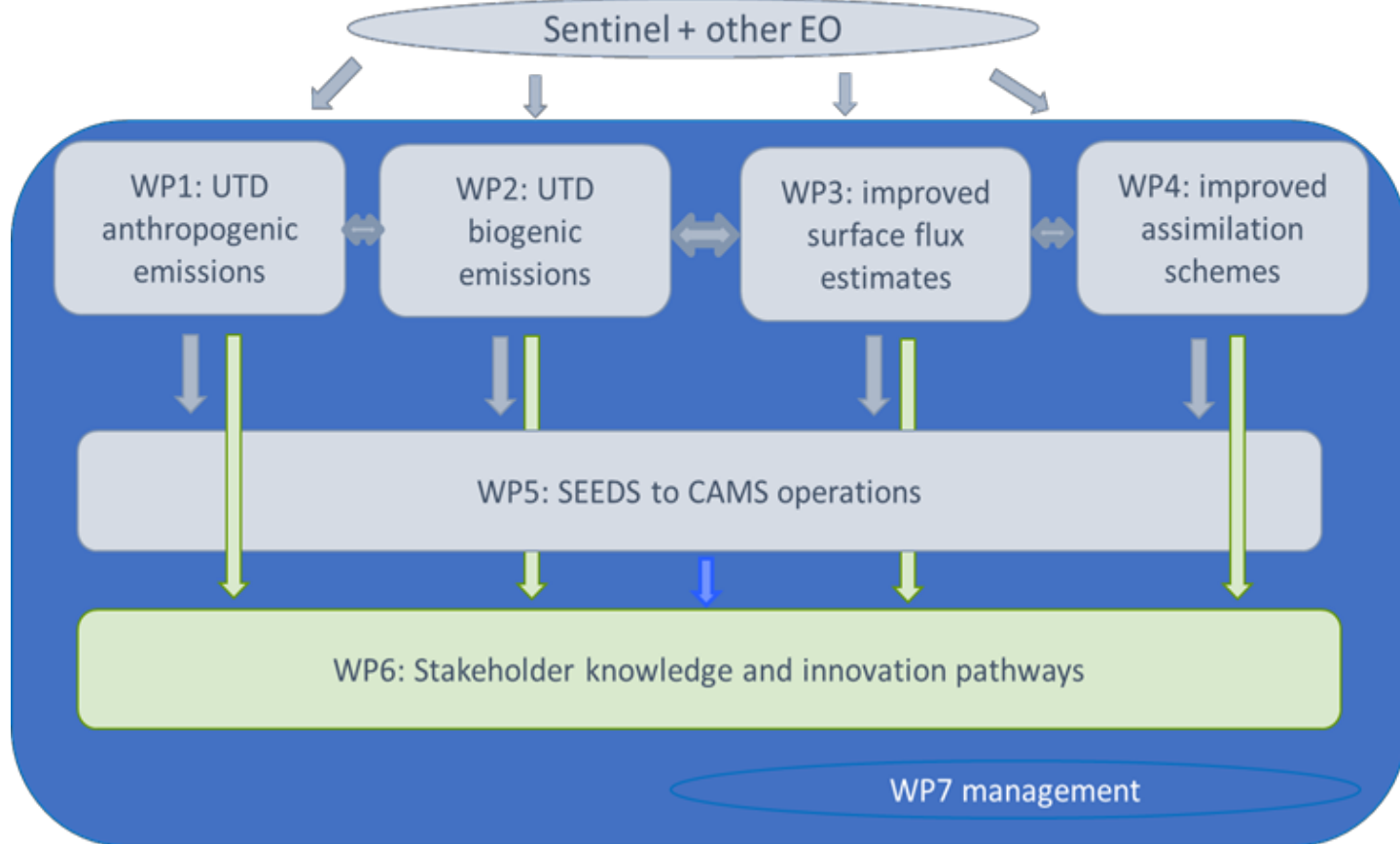
On-line Kick-off meeting - 19<sup>th</sup> January 2021



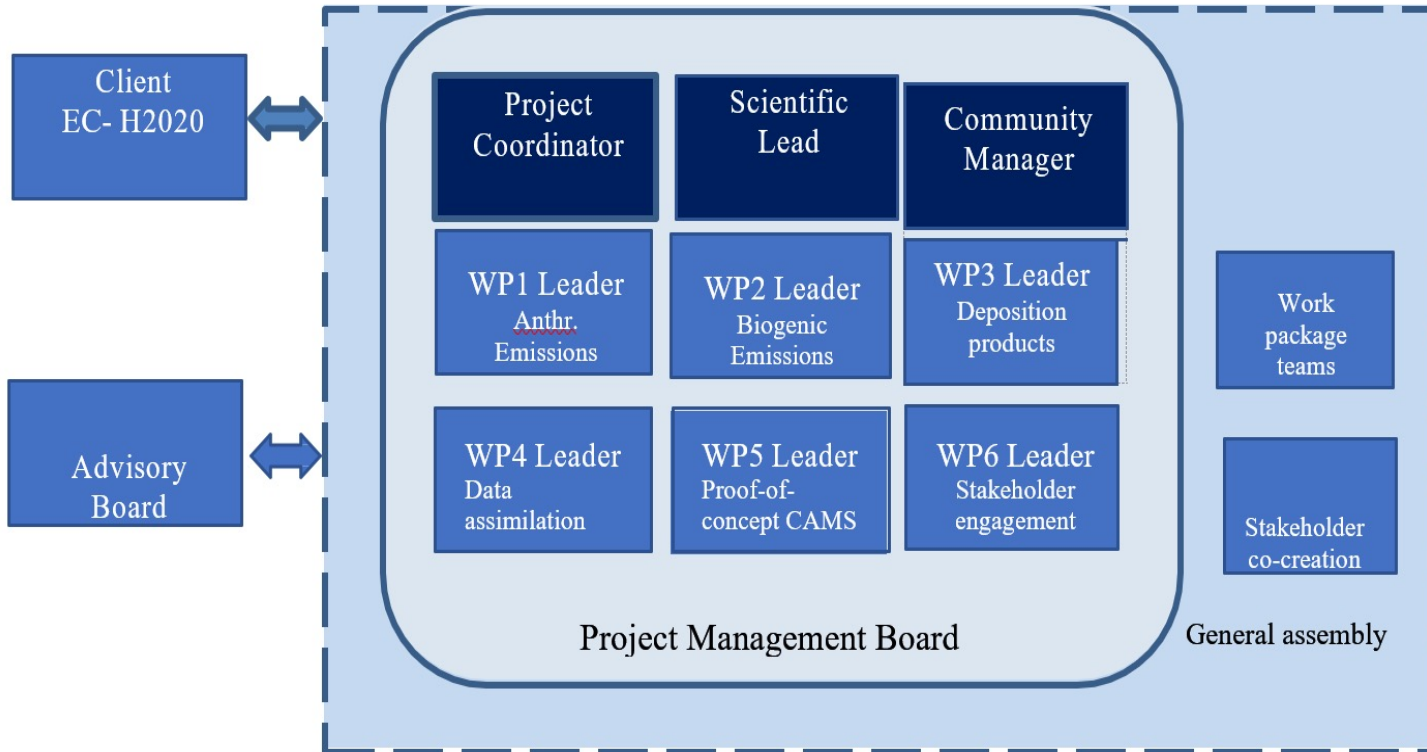
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HORIZON 2020

# SEEDS – Workpackages



# SEEDS – Management structure



Management procedures specified in the SEEDS CA

# SEEDS Roles (I)



**Leonor Tarrasón (NILU) - Project Coordinator (PC):** The PC acts as an intermediary between the consortium and the European Commission and is responsible for ensuring that the financial and contractual obligations defined in the Grant Agreement are met. The PC is also responsible for communication the Advisory Board, chairs the GA and the MB. The PC will act as **Data Protection Manager** and will implement the project data protection policy, processes and procedures, fulfilling the requirements of legislation and best practice. The PC will monitor the work plan via the WP Leaders, who in turn delegate to the appointed Task Leaders.

**Henk Eskes (KNMI) - Scientific Lead (SL):** The SL is responsible for the academic and technical coordination of the project's activities and outputs. The SL will act as **Quality Manager** and be responsible for the supervision of the project's quality control procedures, ensuring that the team remains committed to the core academic and intellectual concept and principles and follow the quality control of the deliverables in compliance with the requirements of the project.

# SEEDS Roles (II)



**Aytor Naranjo (ISAT) - Community Manager (CM):** The CM will coordinate all outreach and community engagement activities in the project, will ensure the effective dissemination of project, and will act as an innovation manager. CM is part of the MB.

**Work Package Leaders (WPL):** Each work package will have a designated leader, in charge of defining and following up on progress and specific objectives, suggesting contingency plans and risk mitigation strategies; coordinating discussions among participating institutions; chairing meetings of work package teams, and providing the agenda and minutes; advising the MB on technical matters related to the WP; supervising the quality assurance of the deliverables; and supporting the PC in reporting duties. All WPLs report to the MB and are members of the management structure of the project.

- **WP1: Ronald van der A (KNMI)**
- **WP2: Jenny Stravakou (BIRA-IASB)**
- **WP3: Paul D. Hamer (NILU)**
- **WP4: Emanuele Emili (CERFACS)**
- **WP5: Virginie Marécal (MR-CNRM)**
- **WP6: Aytor Naranjo (Lobelia Earth, ISAT)**

# SEEDS procedures

- ✓ Monthly on-line telecoms MB

Alternating:

- Progress MB meeting
- Scientific discussion MB meetings

- ✓ Monthly on-line telecoms for WP

- ✓ Common Teams Sharepoint

- ✓ ECAS Project Continuous Reporting

- ✓ IT Portal and SEEDS Website

- ✓ 1 General Assembly (GA) per year

- ✓ 1 Advisory Board meeting per year (in conjunction with GA)



# SEEDS GANTT chart

Workpackages and Tasks	Lead partner	YEAR 1				YEAR 2				YEAR 3			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
<b>WP1 - UTD Anthropogenic Top-Down Emissions</b>	KNMI												
T1.1. Split biogenic and anthropogenic NOx emissions	KNMI							D					D
T1.2. Demonstration of zoom-in area for high resolution NOx emissions	KNMI							D					D
T1.3. Satellite-derived ammonia emissions	KNMI							D					D
T1.4. Derivation of S5p-based biomass burning emissions	BIRA-IASB						D						D
T1.5. Uncertainties in S5p-based biomass burning emissions	BIRA-IASB												D
T1.6. Demonstration - deriving NOx emissions from Sentinel 4	KNMI												D
<b>WP2 - Up-to-date (UTD) Biogenic Emissions</b>	BIRA-IASB												
T2.1. Optimal methodology, top-down biogenic emissions	BIRA-IASB				D								
T2.2. Delivery of bottom-up biogenic VOC emissions	NILU							D					D
T2.3. Derivation of S5p-based biogenic VOC emissions	BIRA-IASB									D			D
T2.4. Assessment of the top-down biogenic VOC fluxes	BIRA-IASB												D
T2.5. Uncertainties in S5p-based biogenic VOC emissions	BIRA-IASB												D
T2.6 Delivery of S5p-based biogenic NOx soil emissions	KNMI											D	
<b>WP3 - Improved Land Surface Data and Deposition Fluxes</b>	NILU												
T3.1. Deliver SURFEX LDAS MONDE estimates of LAI and soil moisture	NILU					D					D		
T3.2. Evaluate SURFEX LDAS-MONDE data products with indep. obs.	NILU											D	
T3.3. State-of-the-art dry deposition scheme for SURFEX LDAS MONDE	NILU					D							
T3.4. Est. dry dep. parameters inc. resistance, conductance, dep.veloc.	NILU							D					D
T3.5. Est. dry dep. fluxes over the CAMS European regional domain	NILU									D			D
<b>WP4 - Improved Assimilation Schemes</b>	CERFACS												
T4.1. Develop and evaluate ensembles, AQ forecasts with MOCAGE	CERFACS											D	
T4.2. Open source 4DnVar code for assimilation of ground AQ meas.	CERFACS							D					
T4.3. Tests&optimize 4DnVar algorithm with synthetic observations	CERFACS												
T4.4. Perform 4DnVar assimilation experiments with the operational MOCAGE	CERFACS; MF-CNRM												D
<b>WP5 - SEEDS to CAMS operations</b>	MF-CNRM												
T5.1. Reference experiments	MF-CNRM												
T5.2. Impact of SEEDS dry deposition products	MF-CNRM; KNMI												
T5.3. Impact of SEEDS emission products	MF-CNRM												
T5.4. Impact of combining SEEDS emission and deposition products	MF-CNRM											D	D
T5.4. Overall synthesis of SEEDS operational capability	MF-CNRM												D
<b>WP6 - Stakeholder Knowledge and Innovation Pathways</b>	ISARDSAT												
T6.1. IT Platform Design , Service Integration & Operations	ISAT, NILU, KNMI												
T6.2. Dissemination & Communication activities	ISAT		D						D			D	
T6.3. Co-creation approaches towards innovation	NILU			D	D					D			D
<b>WP7 - Project Management</b>	NILU												
T7.1. Project administrative management	NILU		D										
T7.2. Project technical management	NILU												
T7.3. Project financial management	NILU												
T7.4. Data management plan	ISAT			D					D			D	
T7.5. Advisory Board	NILU					D					D		D

# Main deliverables – M1- M6

Deliverable (number)	Deliverable name	WP No	Lead participant	Type	DL	Delivery date in months
D1	POPD – Requirement 1	8	NILU	ETHICS	CO	M3
D2	GEN – Requirement 2	8	NILU	ETHICS	CO	M1
D6.1 – D25	Exploitation and IPR plan	6	ISAT	R	PU	M3 ( <i>M18, M30</i> )
D6.2 – D26	Online questionnaires to industrial and agricultural stakeholders	6	ISAT	DEC	PU	M6
D6.3 – D27	IT Platform design and operations plan	6	ISAT	R	PU	M6
D7.3 – D32	Data management plan	7	NILU	ORDP	PU	M6 ( <i>M18, M30</i> )
D6.4 – D28	Co-creation workshops and SEEDS GAs	6	ISAT	DEC	PU	M9 ( <i>M24, M34</i> )
D7.2 – D30	Report of Advisory Board meetings	7	NILU	R	CO	M12 ( <i>M24, M34</i> )



# Some important milestones

- ✓ Pre-financing (80%) already arrived from EU Funding Authority
- ✓ NILU currently initiating the process for distribution to Beneficiaries

Milestone (number)	Milestone name	WP No	Lead participant	Type	DL	Delivery date in months
M12	M7.1 review 1 Review meeting at REA or consortium premises	7	NILU	R	CO	M12 ( <i>M24, M36</i> )
	Economic report to REA/EU Funding Authority	7	NILU	R	PU	M12 ( <i>M36</i> )
	Advisory Board meetings  Report of Advisory Board meetings - D7.2 – D30	7	NILU	R	CO	M12 ( <i>M24, M34</i> )



Let's keep the momentum!

Looking forward to the progress of SEEDS  
that we enable together