

# EO-PERSIST: Team Meeting Report #01

**Project:** EO-PERSIST  
**Document\_Type:** Team Meeting Report  
**Meeting Number:** 01  
**Meeting Purpose:** Definition of Individual Research Contributions and Project Workflow  
**Date:** December 19, 2024  
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## Meeting Objectives

This initial team meeting was convened to:

- Establish clear roles and responsibilities for each team member
- Define individual research contributions and expected outcomes
- Outline publication strategy and research papers
- Determine team's project structure and workflow
- Align team understanding of project goals

## Team Members

SUPERVISORS	BENEFICIARY RESEARCHERS	SUPPORT
Prof. George Petropoulos	Alexandros Liaskos	Dr. Eleana Karkani
Prof. Niki Evelpidou	Eleni Achmakidou	Nektarios Tselos
	Konstantina Lymperopoulou	Spyros Detsikas
		Prof. Petropoulos's research team
		Prof. Evelpidou's research team

## Team Goals and Deliverables

### Focus Area:

Arctic coastal evolution and modelling

### Team Goal:

Contributing to the project's "Coastal monitoring and modeling (UC3)"

### Deliverables:

- Automated vulnerability assessment system (Software Development) [LIASKOS]
- Software deployment to an existing platform (Software Deployment) [LIASKOS]

- Development of a new European revised CVI [LYMPEROUPOULOU]
- SEVI adaptation (SEVI) [LYMPEROUPOULOU]
- CVA Case Studies

Alternative and additional Deliverables:

- CVA of Swedish coastlines at risk
- Review Paper
- Microwave Remote Sensing Analysis

## Contribution of Alexandros Liaskos

### Primary Responsibilities:

- Development of an automated CVA assessment system
- Software deployment and platform integration

### Deliverables:

- Automated vulnerability assessment software
- Technical documentation
- Research papers

### Technical Background for potential advancements:

- Coastal Research Experience:
  - Published paper: "Coastal erosion: the future of sandy beaches" (2021)
  - Thesis: CVA automation framework in ArcGIS Pro with ArcPy and custom Python
  - Automated acquisition and processing of CVI parameters from Sentinel-2 images
  - Coastline and coastal features extraction through Spectral Analysis and ML from Sentinel-2 images
  - Satellite image acquisition and batch image set-topology analysis in Google Earth Engine and with Copernicus OData API in custom web platforms
- Relative Programming Experience:
  - Python in ArcGIS Pro + ArcPy
  - Data Science with Python's Data Structures and Algorithms
  - GeoPandas, Shapely, Rasterio, NumPy, GDAL, PyTorch, TensorFlow, SciPy, scikit-learn
  - Google Earth Engine
  - Turf.js
  - Copernicus OData API
  - ArcGIS API

### Project Experience:

- Personal projects
- Freelance development projects for clients
- Development of geospatial analysis solutions personal business
- Projects with the research team of Prof. Evelpidou

Additionally I have experience and knowledge in:

- Web development (React-based, MD-based Documentations)
- Business organization and project management (Archimedes)

- Professional documentation and technical writing (Github)

## Contribution of Eleni Achmakidou

### Potential Primary Responsibilities:

- CVA of Swedish coastlines at risk
- Review Paper

### Potential Deliverables:

- CVA Case Study in Sweden
- Research Papers
- Review Paper

### Technical Background for potential advancements:

- Fieldwork experience
- Mapping, Sampling, and Geoprocesses Identification
- Laboratory Analysis
- Vulnerability assessment
- ArcGIS Pro
- Surfer

### Relative Experience:

- CIVIS-BIP: "Coastal Zone Geomorphological Interactions: Natural vs Human-induced Factors"
- CIVIS-BIP: "TRANSMOUNT - Transitions in Mountain Environments"
- Projects with the research team of Prof. Evelpidou
- Communication of Geology to the general public and local

## Contribution of Konstantina Lymperopoulou

### Primary Responsibilities:

- Development of a new European revised CVI
- SEVI adaptation (SEVI)
- CVA Case Studies

### Deliverables:

- Research Papers

### Technical Background for potential advancements:

- Data Analysis
- Geomorphological Identification and Evaluation
- Sampling and Laboratory Analysis
- ArcGIS Pro
- DSAS
- GNSS RTK
- Surfer

### Relative Experience:

- Thesis: "Tidal Notches in the Mediterranean Sea: Spatial Analysis and Sea Level Changes"
- CIVIS-BIP: "Climate Change and Landscape Evolution in the Mediterranean context"
- Project for coastal erosion in Greece with application of CVI

- Projects with the research team of Prof. Evelpidou
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*Date: December 19, 2024*