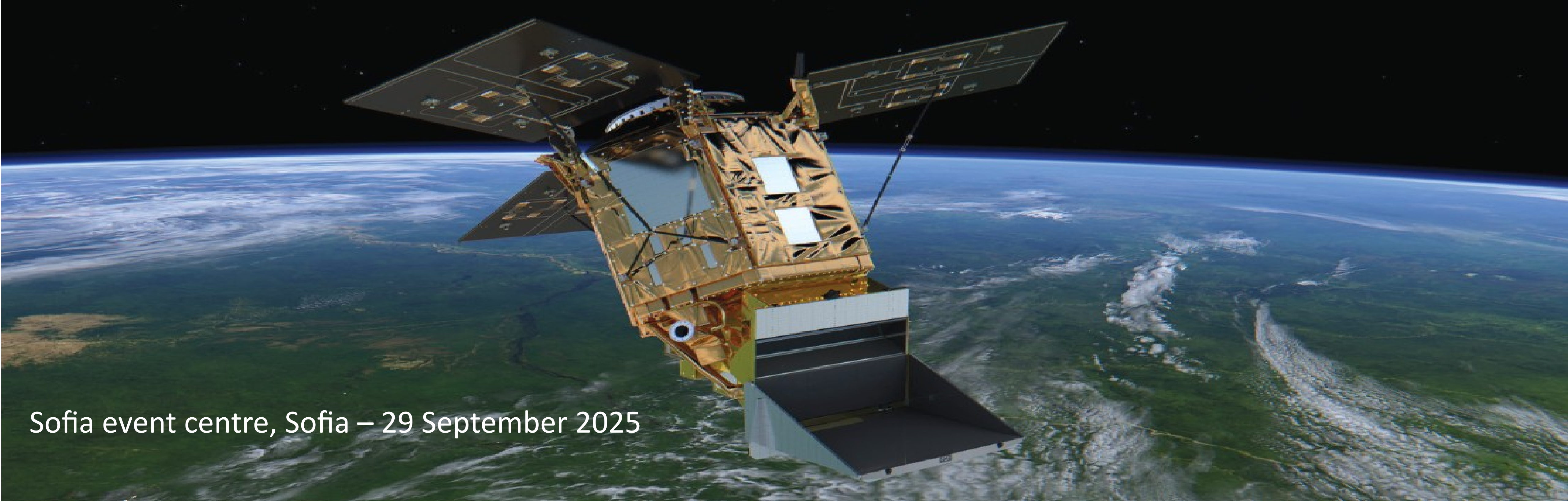


User Uptake of Copernicus Services for Landscape and Spatial Planning Stakeholders

European Commission

Copernicus
Framework Partnership Agreement for Copernicus User Uptake

БАН ИКИТ

Prof. Lachezar Filchev, Dr. Kamelia Radeva

PL **Poland**
CBK-PAN partnership

IT **Italy**
ISPRA collaboration

LV **Latvia**
IES cooperation

PT **Portugal**
DGT involvement

ES **Spain**
IHCantabria partnership

Network
Knowledge sharing

Goal

To promote and raise awareness of Copernicus Land Cover (LC) products among landscape and spatial planners from regional and local authorities based on user requirements and to increase skills in using Copernicus LC databases through training of end-users on demo (pilot) cases carried out in partner countries.

Technical objectives

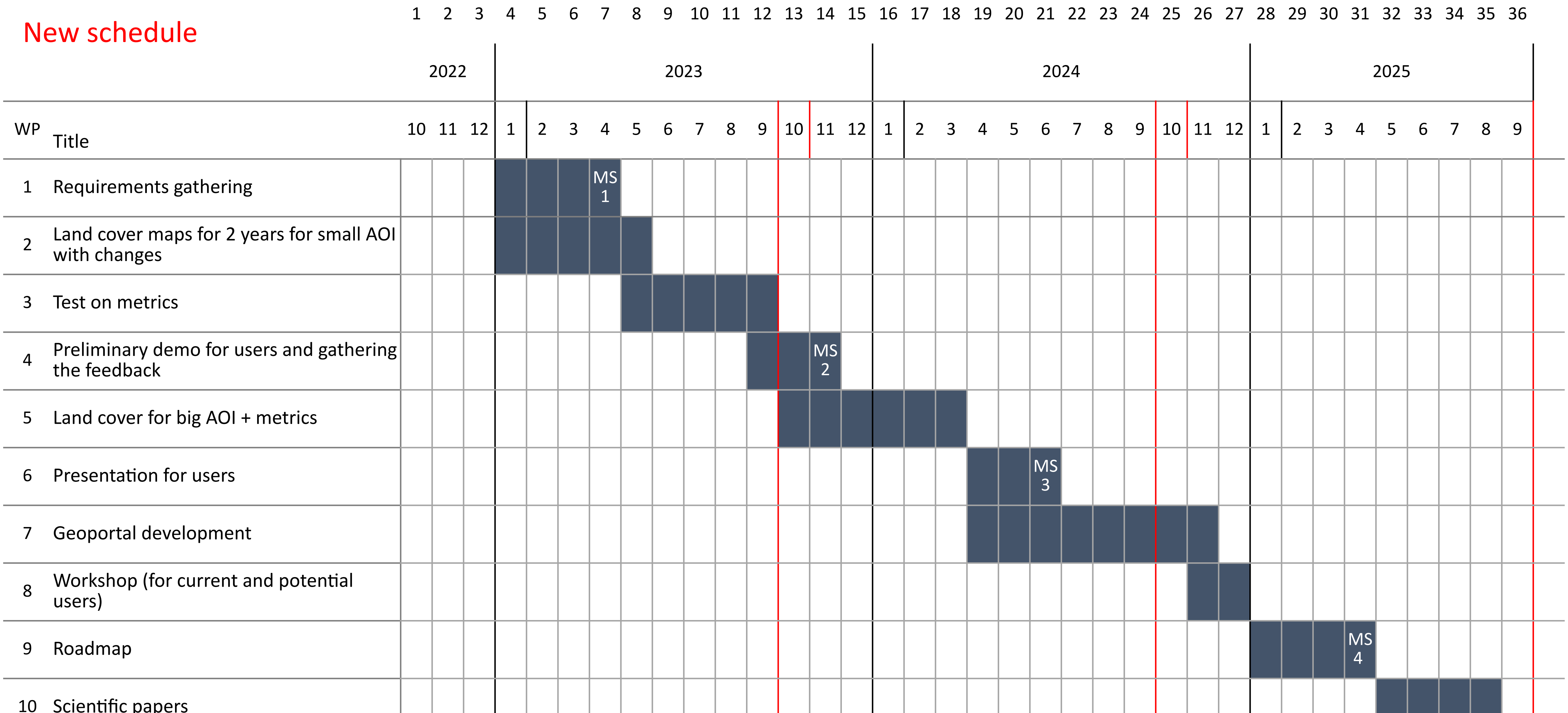
1. Gap-analysis surveys to evaluate the expectations and needs of the landscape and spatial planning end-users for the prospective landscape metrics products based on Copernicus LC products.
2. To establish and test a new service for monitoring European landscape using landscape metrics derived from Copernicus LC products and satellite images on demo (pilot) sites in the partner countries updated on a yearly basis.
3. To raise awareness among regional planners about the possibilities of Copernicus data products with particular focus on landscape metrics.

GANTT

Schedule – from proposal

- Q4 2022 - Q1 2023: Desk survey of the candidate landscape metrics and preliminary tests (M 1-3), MS 1;
- Q1 - Q2 2023: Preliminary demo and user requirements survey (M 3-6), MS 2;
- Q2 2023 - Q1 2024: LC classification of pilot study areas. Pilot cases with end-users (M 6-16), MS 3;
- Q1-Q4 2024: end-user uptake through workshops & good practice demonstrations (M 16-24), MS 4.

New schedule



Reporting

Interim reports (technical + financial):

Reporting Period 1: 2022.10.01 – 2023.09.30 – report **2023.10.15**

Reporting Period 2: 2023.10.01 – 2024.09.30 – report **2024.10.15**

Reporting Period 3: 2024.10.01 – 2025.09.30 – report **2025.10.15**

Monitoring reports:

2023.03.31

2024.03.15

2025.30.15

Results indicators #1

- Number of end-users targeted by the surveys: at least **3 regional authorities** and/or end-users using LC databases per country;
- Number of user needs met by the new services: at least **1 per country**.
- Feedback on users about usability of the new services: at least **3 regional authorities** and/or end-users following workshops and technical meetings **per country**
- Number of pilot cases with the end-users: **1 per partner country** (6 in total);
- Concept about the continuity of the service provision, i.e. how the data provided could be aligned to available CLSM datasets or a roadmap to create the service at the pilot case study level and how upscaling to a larger extent.
- Number of workshops: **1 per each country** (6 in total).

Results indicators #2

- Number of participants in each workshop: at least **15 per country**;
- Communication actions in web pages and social networks (Twitter, Facebook) published during the Action: at least **1 web stories and a minimum of 10 publications in social networks (per country),** dissemination through FPCUP homepage and developed pilot service of the Action;
- Increased interest in using Copernicus data and services for landscape and spatial planning: number of potential end-users using the proposed solutions or CLMS databases for the needs identified in the survey. **At least 1 institution per country** including Copernicus in roadmaps for getting management or reporting solutions.
- New users on Copernicus services in relation to landscape and spatial planning: **at least 1 identified per country**
- Peer-reviewed reports submitted to international conferences and peer-reviewed journals with an open-access: **at least 1**

Stakeholder Engagement Results

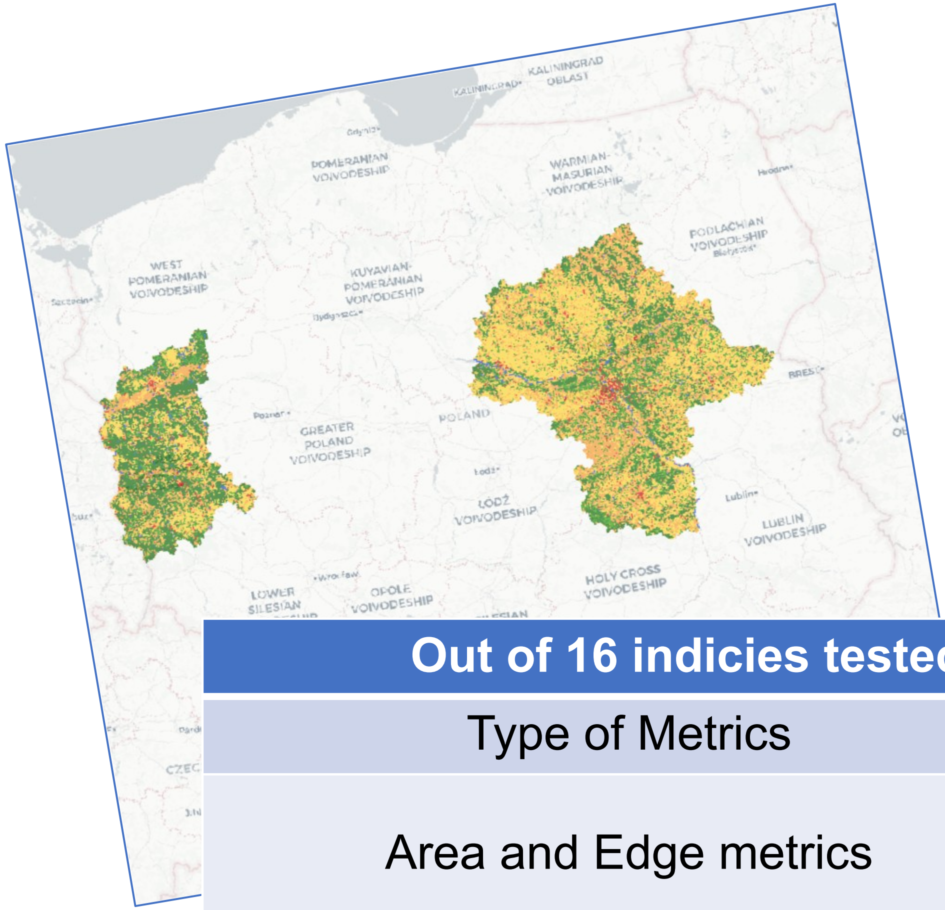
15	Government	15% responses
40	Research	41% responses
10	Private Sector	10% responses
15	NGO Sector	15% responses
17	Freelancers	17% responses

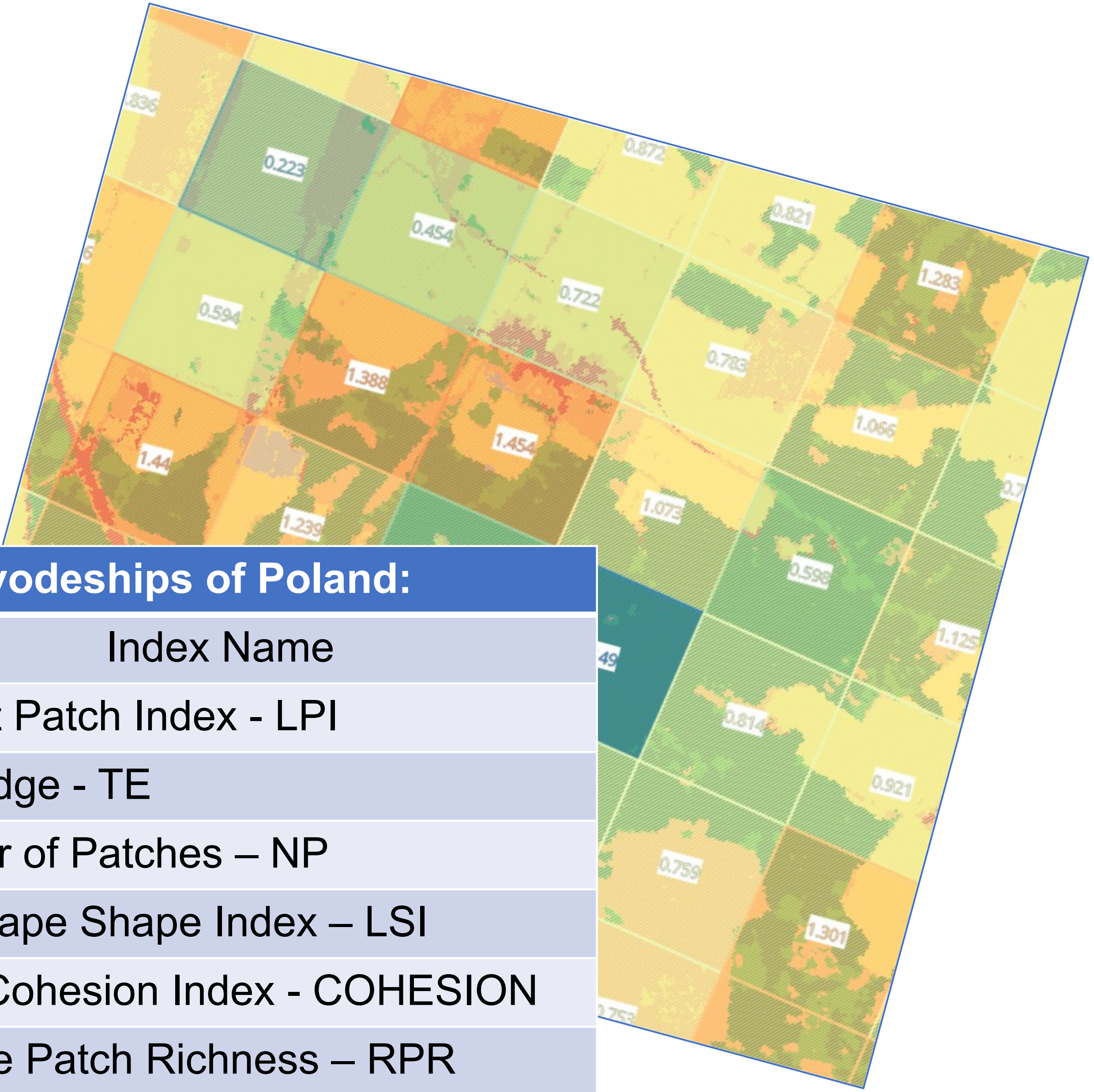
97

Total Survey Responses

- 🎬 Need for regular updates
- 🔍 Higher resolution requirements
- 📊 Scale preferences: 1:5000 (40%+)

Spatial resolution identified as primary barrier to adoption





Out of 16 indicies tested on two voivodeships of Poland:	
Type of Metrics	Index Name
Area and Edge metrics	Largest Patch Index - LPI
	Total Edge - TE
Aggregation metrics	Number of Patches – NP
	Landscape Shape Index – LSI
	Patch Cohesion Index - COHESION
Diversity metrics	Relative Patch Richness – RPR
	Simpson's Diversity Index - SDI

Thank you for your attention!