

Session 2: Urban Air Quality, Mobility and Safety Monitoring and Management

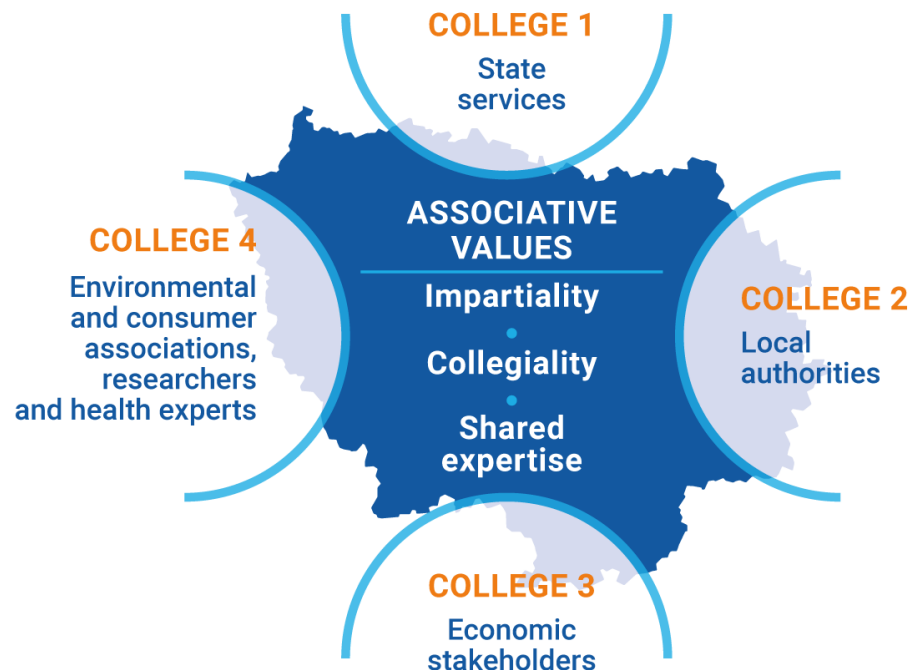
Chairs: Oliver Sanchez and Kavitha Muthu

Time	Description	Speaker
2 min	Welcoming and setting the scene	Kavitha Muthu
3 min	Brief overview of our role	Oliver Sanchez and Kavitha Muthu
60 min	Presentations	
10 min	TRIPS: a solution for advanced urban safety management	Simonetta Bodojra
10 min	Evaluating the costs and benefits of satellite imagery resolutions for assessing unpaved road condition	Robin Workman
10 min	The 'Primary' Project: Urban Air Quality Monitoring with Prisma Hyperspectral Data	Davide De Santis
10 min	The CitySatAir Project: Monitoring urban air pollution with satellite data	Bas Mijling
10 min	Spatiotemporal imputation and bias correction of Sentinel-3 SYN for intraurban air quality assessment using Generative Adversarial Networks/Deep Learning	Ester Pantaleo
10 min	Earth observation for mental health: exploring the correlation of urbanization, green and blue spaces with UK Biobank cohort data	Söre Hese
20 min	Audience Q&A/Panel Discussion	All Presenter
5 min	Wrap up and closing remarks	Oliver Sanchez and Kavitha Muthu

AIRPARIF : INDEPENDENT REGIONAL ASSOCIATION FOR AIR QUALITY MONITORING



- Accredited by the French Ministry of Environment for monitoring and informing about air quality in the Paris region (Ile-de-France)
- Balanced, **four-party** governance
- Diversified funding: **State, local authorities, economic players**



OUR PURPOSE

ACTING FOR CLEAN AIR IN A MORE SUSTAINABLE WORLD

MISSIONS



MONITOR

the air breathed by residents of the Greater Paris region using a robust and reliable monitoring system



UNDERSTAND

air pollution and its impacts, by actively participating in the advancement of knowledge



SUPPORT

stakeholders (citizens, decision-makers...) through public information, awareness campaigns, and the evaluation of actions



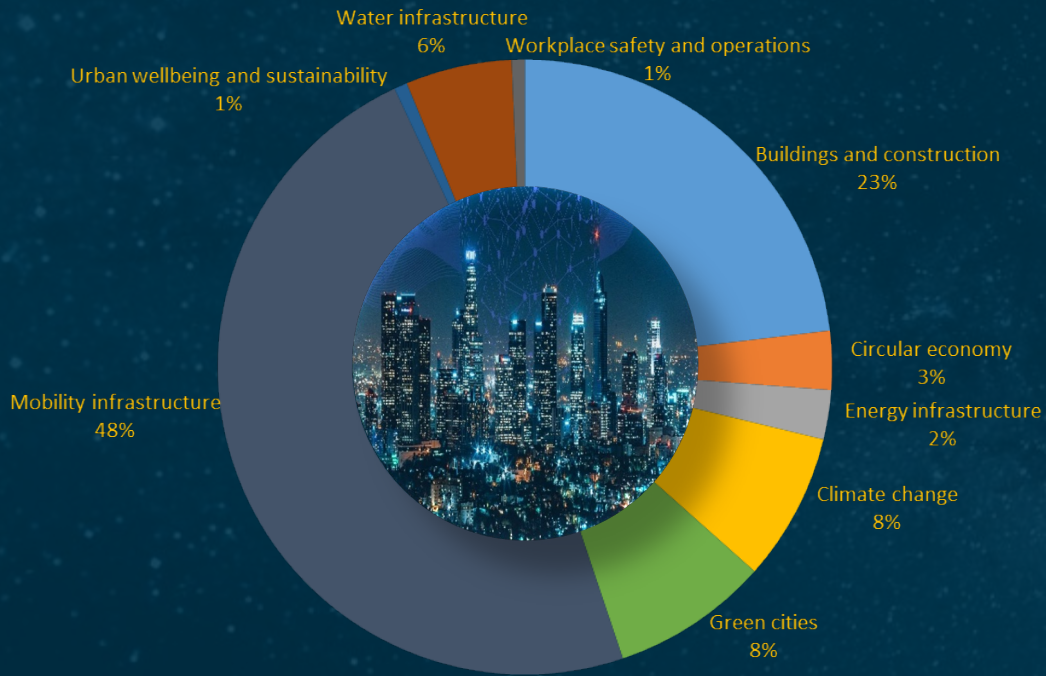
INNOVATE

by facilitating the emergence of new solutions aimed at improving air quality

*AIRLAB



ESA BASS: Space for Smart and Green Cities



Market demand from smart cities for green solutions, new regulations, space opportunities awareness and cross-sector collaboration will support future growth in green and sustainable investment



Green cities



Buildings and accessibility

Activities across
>10 countries

15M€
invested over 10 years

61
projects and studies

