

SPACE

HEALTHY & INCLUSIVE CITY



HEALTH

- Coordinated emergency medical services
- Remote health check-ups
- Pollution peaks alerts
- First aid apps



ENGAGEMENT

- Apps enhancing civic e-participation
- City management based on mobile behavioural data
- Apps fostering sustainable lifestyles
- City open data



CULTURE

- Monitoring of historical buildings
- Augmented reality and historical city maps
- Tourism and city guides
- Geolocated outdoor serious games



CLEAN CITY



AIR

- Air quality and temperature
- Traffic, industry and airport emissions
- Air quality modelling and management



WASTE

- Optimised bin collection
- Detection of illegal dump sites
- Hazardous waste tracking



GREEN AREAS

- Urban forest and biosphere maps
- Balanced green and built-in spaces
- Vegetation cover monitoring and management



ENERGY

- Solar energy systems' assessment
- Wind maps for wind power stations
- Remote monitoring of hydropower stations
- Synchronised power grid systems
- Remote detection of power outages

FOR

CITY

SAFE & RESILIENT CITY



DISASTERS & SECURITY

- Management of natural disasters
- Coordinated emergency and rescue services
- Critical infrastructure monitoring
- Oil spills detection and removal
- Monitoring of hazardous goods' transportation
- Analysis of crime incident patterns
- Infringements' reporting



SOIL & WATER

- Soil morphology and moisture
- Soil cover and use
- Inland and sea water quality and temperature
- Remote control of water reservoirs
- Hazardous materials management
- Sustainable urban agriculture



URBAN PLANNING

- Land cover classification
- Land use monitoring and management
- Cadastral maps
- Urban sprawl monitoring
- Property tax evaluation
- Identification of illegal buildings
- Urban 3D planning



TRANSPORT & MOBILITY

- Real-time transport information
- Bike and car sharing
- Intermodal transport
- Urban traffic modelling and analysis
- Optimisation of public transport and traffic lights
- Mobility support for persons with impaired mobility
- Parking apps



BUILDINGS & INFRASTRUCTURE

- Monitoring of pavements, buildings and critical infrastructure
- Planning of constructions and transport infrastructure
- Adapt construction materials to climate changes
- Road condition and traffic safety improvements
- Mapping of buried optic fibre, gas and electric lines
- Soil subsidence maps to prioritise maintenance works

IES



Eurisy is a Paris-based, non-profit association of space agencies and innovation clusters mandated to raise awareness and encourage innovative uses of satellite applications to respond to today's challenges.

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ACTING COLLECTIVELY TO
BRIDGE SPACE AND SOCIETY