

How Open Environmental Data is Used?

- Monitoring the use of open spatial data
- User Surveys for open environmental data users



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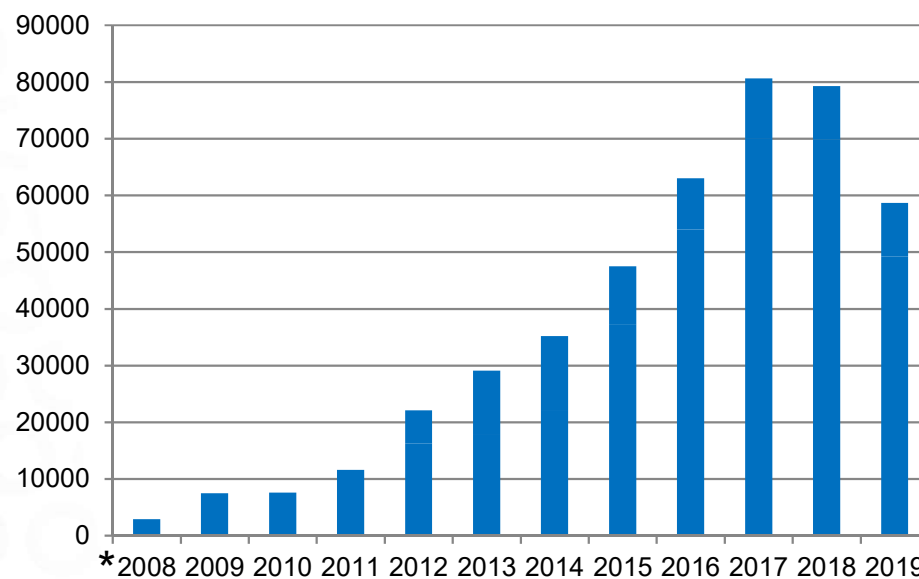
8.5.2020



S Y K E

Spatial Data Downloads 2008-2019

Number of spatial data package downloads
At SYKE's Open Data Portal

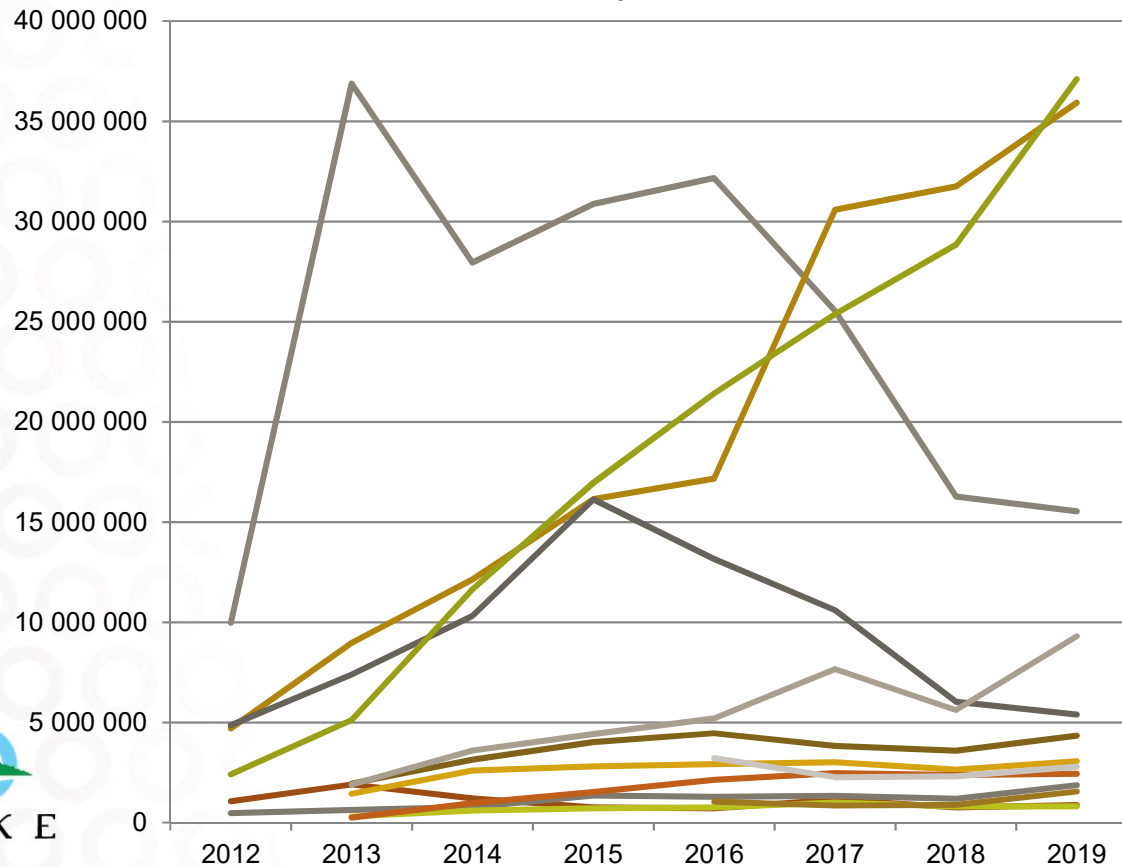


Downloads TOP 3 in 2019

1. Ground water areas
2. Natura2000 areas
3. Corine Land Cover 2018

Usage of SYKE's INSPIRE compliant WMS services

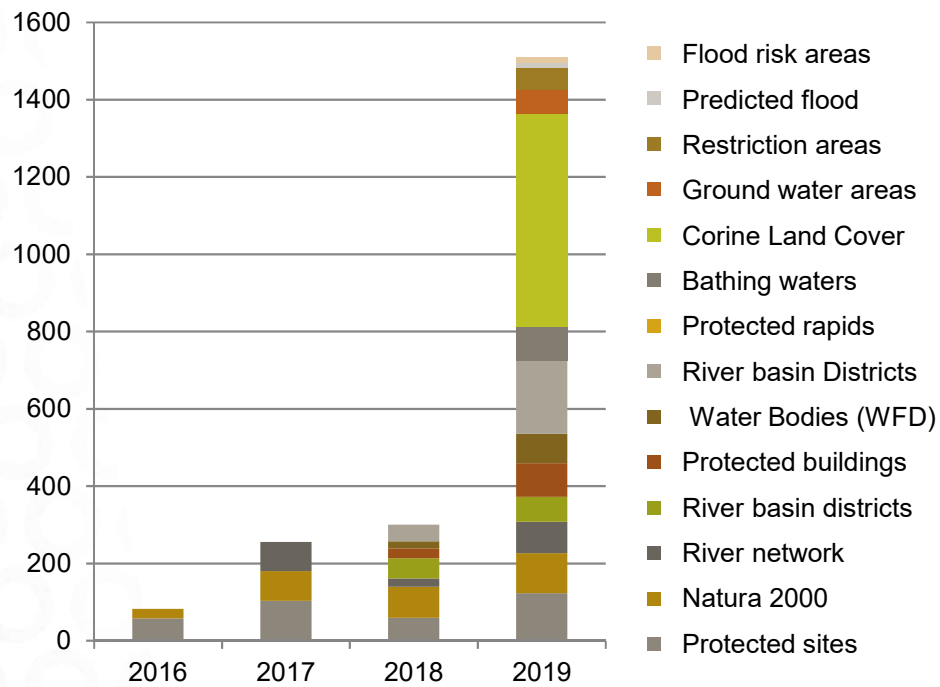
Number of requests/year 2012-2019



Datasets

- Lake and river depth profiles
- Protected sites
- River basin districts & river network
- Ground water areas
- Satellite images (mosaic)
- Water Bodies (WFD)
- Flood risk and flood hazard
- Monitoring sites
- Corine Land Cover
- Vegetation Zones
- Bathing waters and restriction areas
- Habitats
- Species
- Production and industrial facilities
- Utility and governmental services

INSPIRE GML Downloads

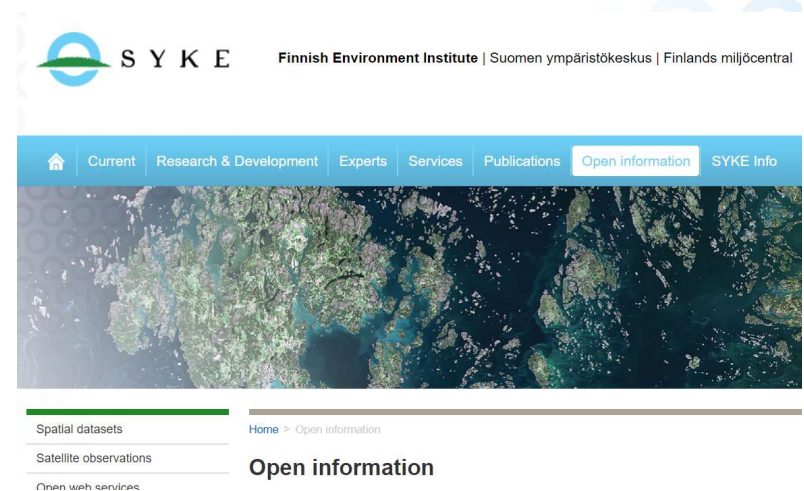


S Y K E

Statistics: Riikka Repo/SYKE/TK/TPP

Survey for SYKE's Open Data Users 2019

- Pop-up survey for SYKE's Open Data Service users at www.syke.fi/openinformation was open during 27.11.-13.12.2019
- The goal was to get information, who are the users of our open data services and for what purposes open data and information is used.
 - Similar kind of survey was made in 2017
- Number of answers 2019: 198
 - 2017: 251
- Survey was carried out by Spatineo



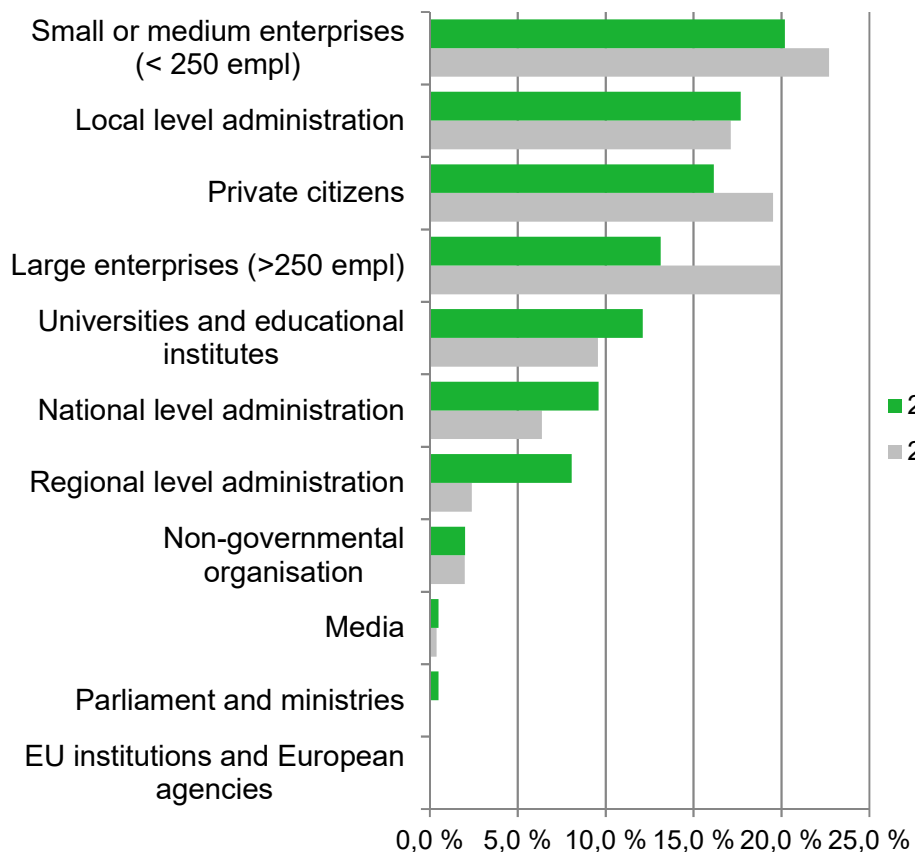
**WHAT KIND OF
ORGANISATION
ARE YOU
REPRESENTING?**



S Y K E

Survey for users of www.syke.fi/openinformation 2019

Who Are the Users of SYKE's Open Data?



	2017	2019
Enterprises	43%	33%
Regional level admistration	2%	8%
Private citizens	20%	16%

Survey for users of www.syke.fi/openinformation 2017&2019



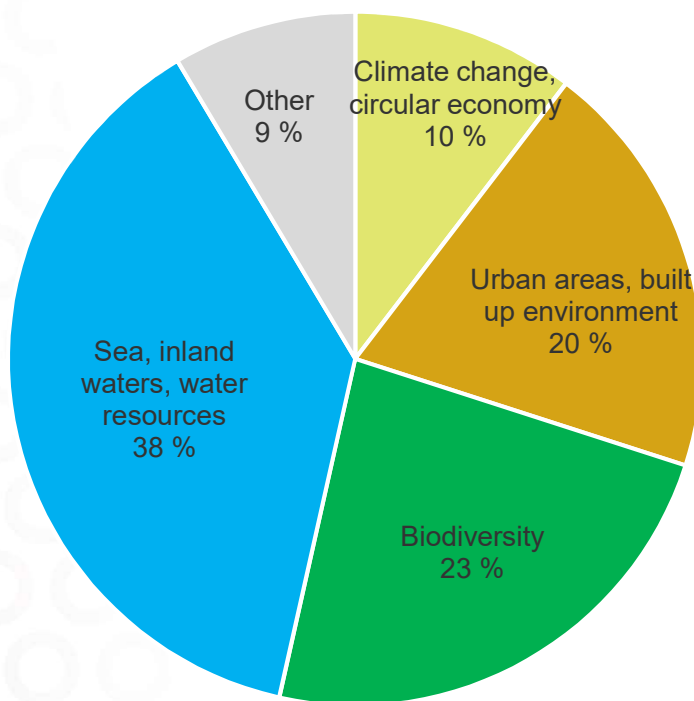
**WHAT KIND OF
DATA THEMES
ARE YOU
SEARCHING?**



S Y K E

Survey for users of www.syke.fi/openinformation 2019

Which data themes are you interested in?



Data themes according to the Strategic objectives of SYKE

SYKE's impact stems from its reliable, research-based data, which is used widely in environment-related decision-making both in Finland and elsewhere in the world. Our research and development work is proactive and ambitious. Through constructive cooperation we generate knowledge, understanding and solutions that:

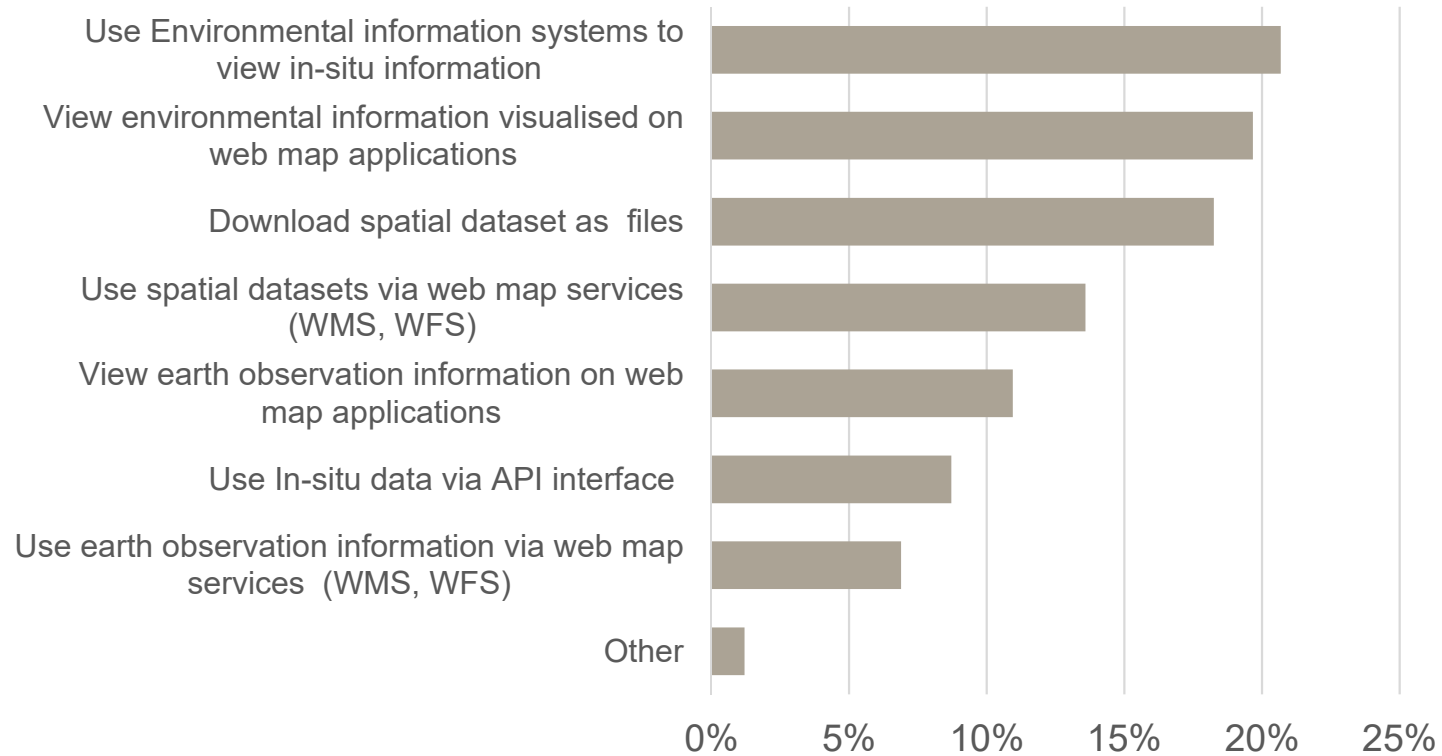
- accelerate the transition needed for combating climate change and strengthening sustainable circular economy
- transform our urban areas into sustainability forerunners/trailblazers
- protect and enrich biodiversity thus also safeguarding human well-being
- ensure the sustainable use of water resources as well as the good condition of coastal and inland waters by novel combinations of methods a
- apply new approaches and methods of producing environmental information to respond to the emerging user needs of a digitalising society



**WHICH DATA
FORMATS DO YOU
PREFER TO USE?**



Preferred formats for data usage?



14.5.2020

11



S Y K E

Survey for users of www.syke.fi/openinformation 2019

Number of answers 493

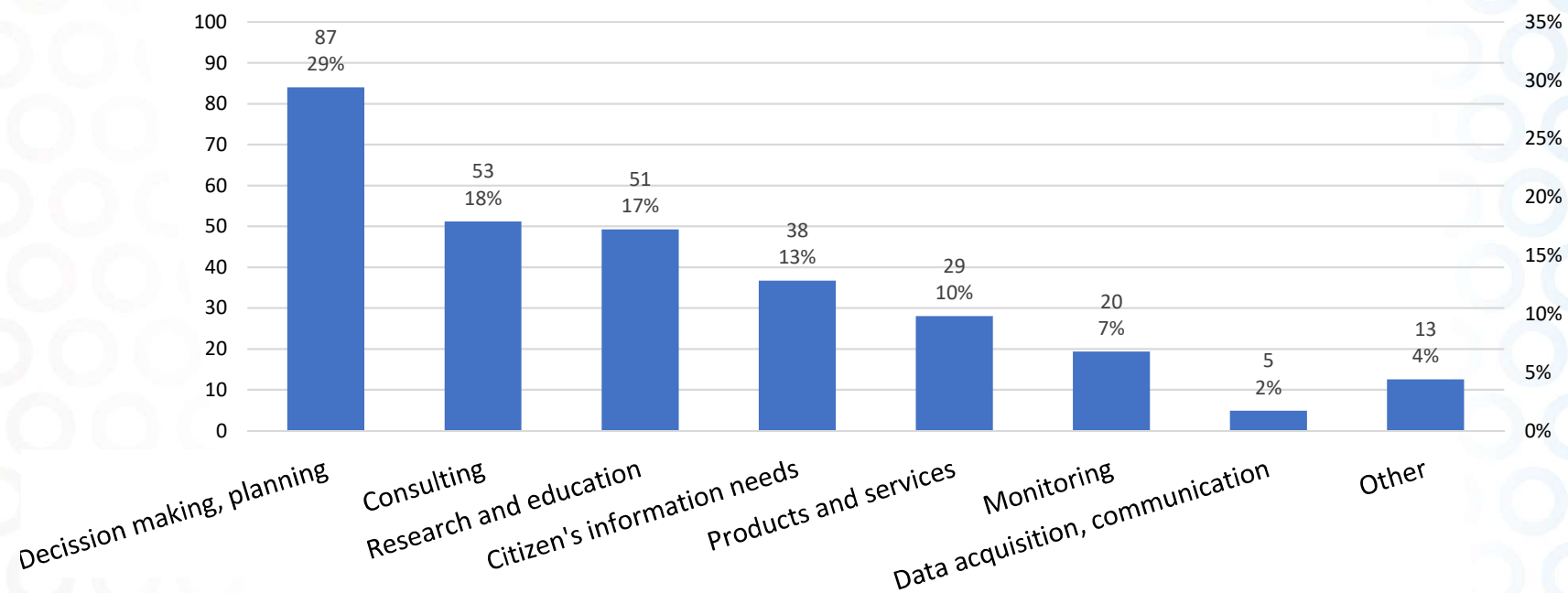
**HOW ARE YOU
PLANNING TO USE
DATA?**

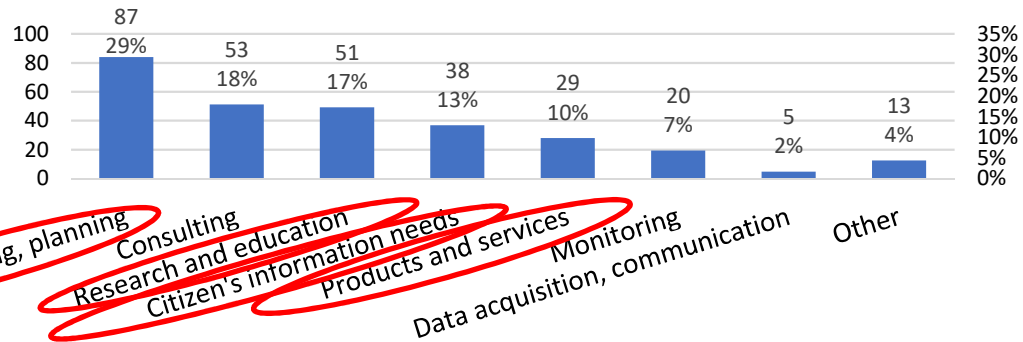


S Y K E

Survey for users of www.syke.fi/openinformation 2019

For what purposes data is used?





DECISSION MAKING, PLANNING

Preparing an expert opinion	8,4 %	25
Planning	8,1 %	24
Decission making	5,7 %	17
Processing permits	3,0 %	9
Strategy creation	1,3 %	4
Environmental impact assessment	1,0 %	3
Information for applying a permit	0,7 %	2

CITIZEN'S INFORMATION NEEDS

Information about the quality of the environment	6,1 %	18
Information for participating in the development of own neighbourhood	3,4 %	10
Information for planning leisure time activities.	2,7 %	8

RESEARCH AND EDUCATION

Research and development	6,1 %	18
Exercises related to studies	4,0 %	12
Education material	3,0 %	9
Training	1,3 %	4
Preparing of thesis/final project	1,0 %	3

PRODUCTS AND SERVICES

Maintenance and further development of existing products and services	6,7 %	20
Development of new products and services	2,4 %	7
Development of own products and services based on open data (citizens)	0,7 %	2

Survey for users of www.syke.fi/openinformation 2019