FRENCH SPATIAL DATA INFRASTRUCTURES: A FOCUS ON USE

PRELIMINARY RESULTS FROM THE GEOBS PROJECT

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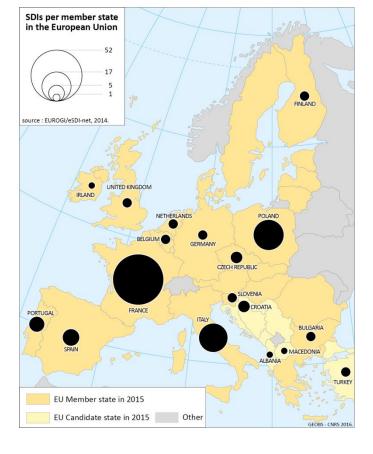


Financial partners : Région Nouvelle Aquitaine, CNRS, Université de Bordeaux Montaigne

WHY A RESEARCH PROJECT ABOUT FRENCH SDIS? WHY A FOCUS ON SDIS USE?

THE NATIONAL CONTEXT

LARGE NUMBER OF FRENCH SDIS



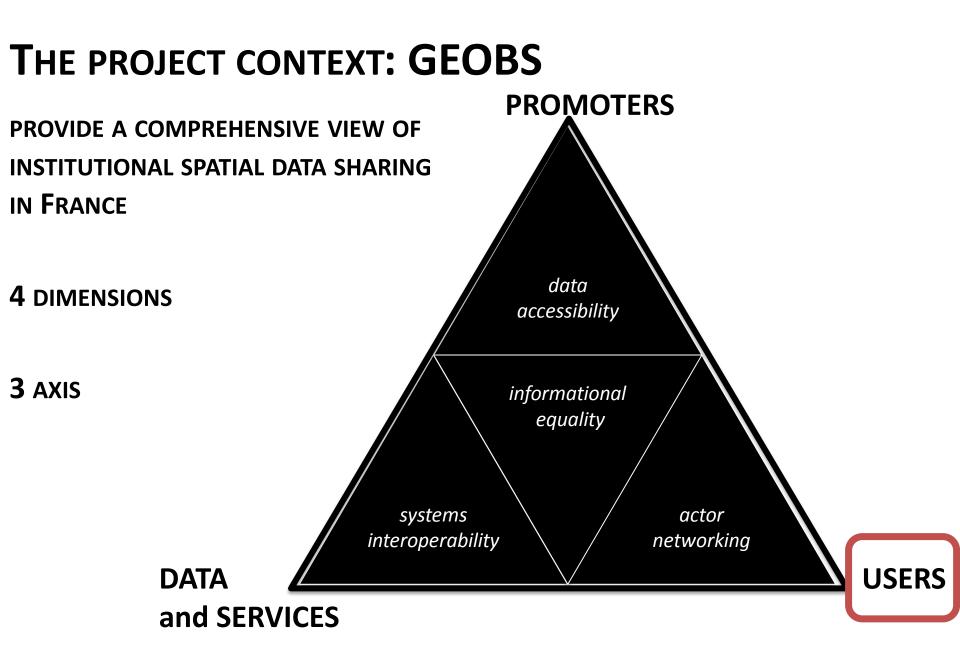
National and subnational SDIs in European Union member states from 2009 to 2011 (source: EUROGI/eSDI-net 2014)

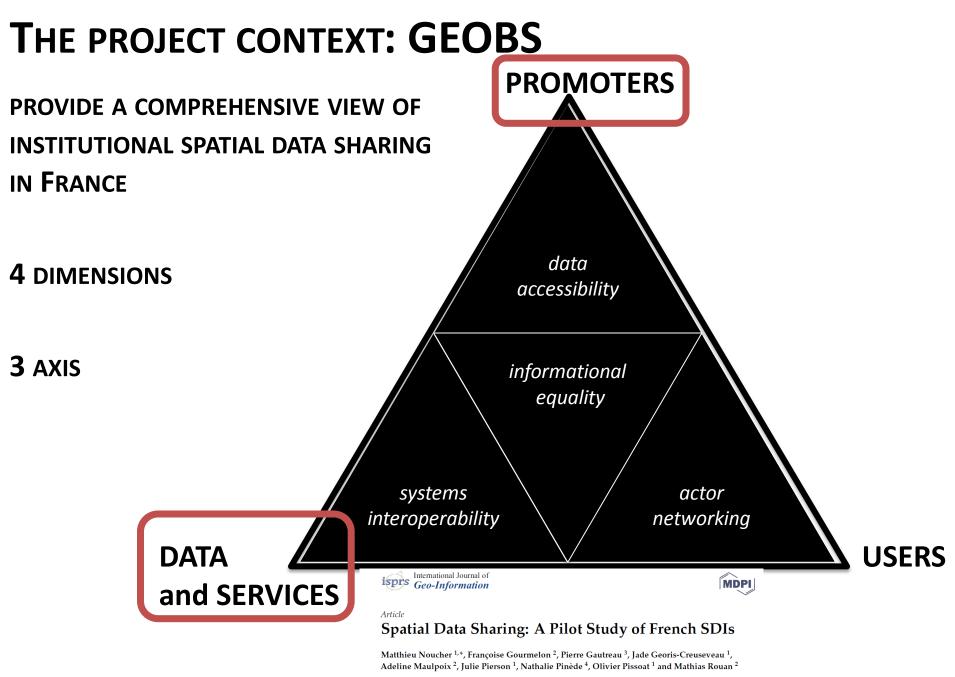


CURRENT TERRITORIAL REFORM THAT MERGES 22 REGIONS INTO 13

→ COMPLEX SPATIAL INFORMATION UNIVERSE

COMPRISING REDUNDANCIES, MERGES, COMPETITION





http://www.mdpi.com/2220-9964/6/4/99

FOCUS ON SDIS USE

JUSTIFIED BY:

LOW ATTENTION TO THE STUDY OF SDI USERS SDIS ARE LARGE AND COMPLEX WEB-BASED SYSTEMS SOCIAL AND TECHNICAL COMPONENTS

RESEARCH QUESTIONS:

WHO ARE THE USERS? WHAT KIND OF SDIS DO THEY USE? HOW DO THEY USE SDIS? WHAT ARE THE CHANGES OVER TIME?

FOCUS ON SDIS USE

DATA COLLECTION: ONLINE SURVEYS IN 2012 AND 2017 BASED ON SIMILAR QUESTIONS

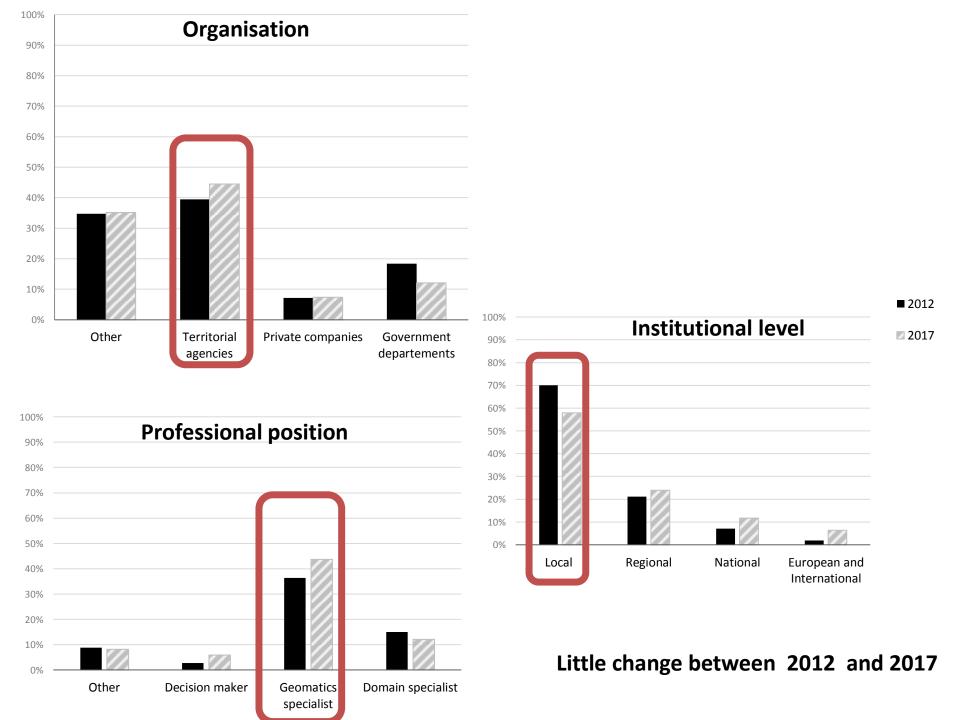
DATA ANALYSIS: SOCIAL NETWORK ANALYSIS

USERS CONSIDERED: PUBLIC BODIES WORKING FOR ENVIRONMENTAL MANAGEMENT (GOVERNMENT SERVICE, LOCAL AUTHORITY, PUBLIC INSTITUTION...)

CORPUS:		2012	2017	in common
	SDIs	141	99	29
	Users	446	256	unknown

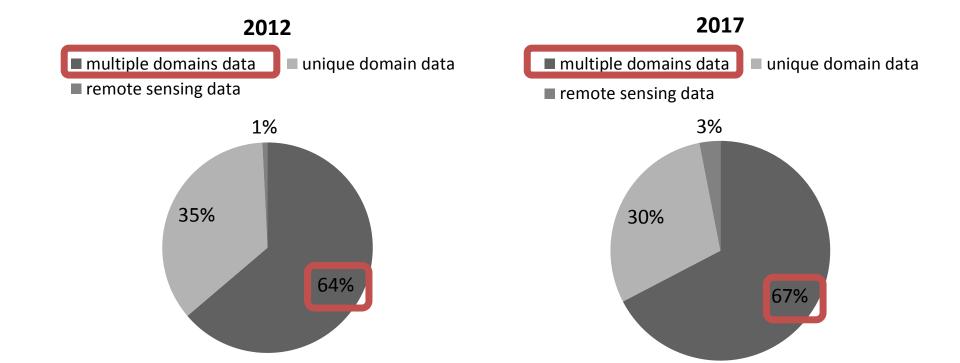
WHO ARE THE USERS?

WHAT ARE THE CHANGES BETWEEN **2012** AND **2017**?



WHAT KIND OF SDIS DO THE USERS USE?

WHAT ARE THE CHANGES BETWEEN 2012 AND 2017?



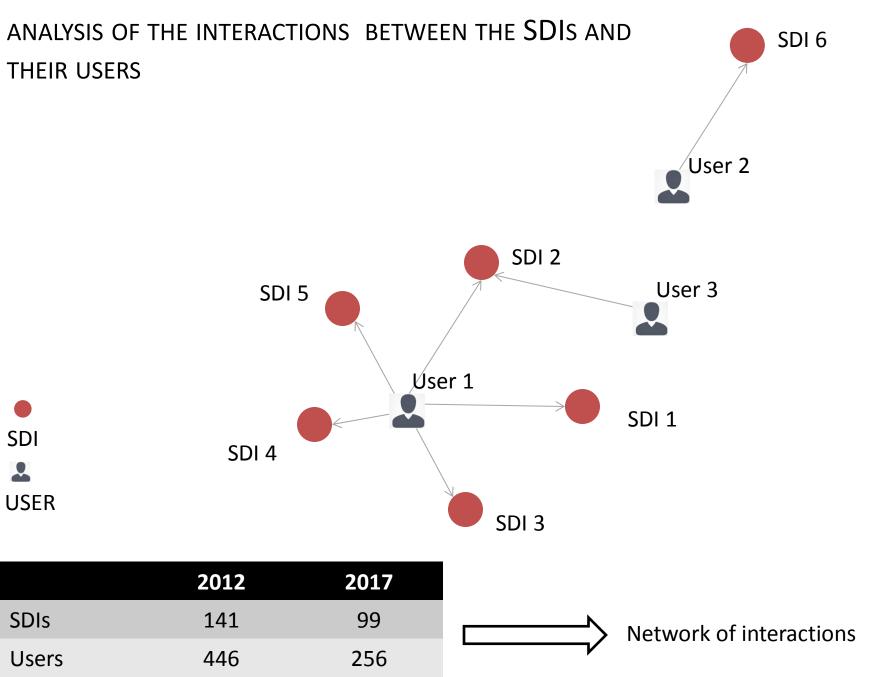
	2012		2017	
Institutional level	n	%	n	%
Global	20	14	3	3
European	5	4	4	4
National	28	20	33	33
Regional	44	31	38	38
Department	24	17	17	17
Municipal	20	14	6	6
Total	141	100%	99	100%

little change between 2012 and 2017

How do the users use SDIs?

WHAT ARE THE CHANGES BETWEEN **2012** AND **2017**?

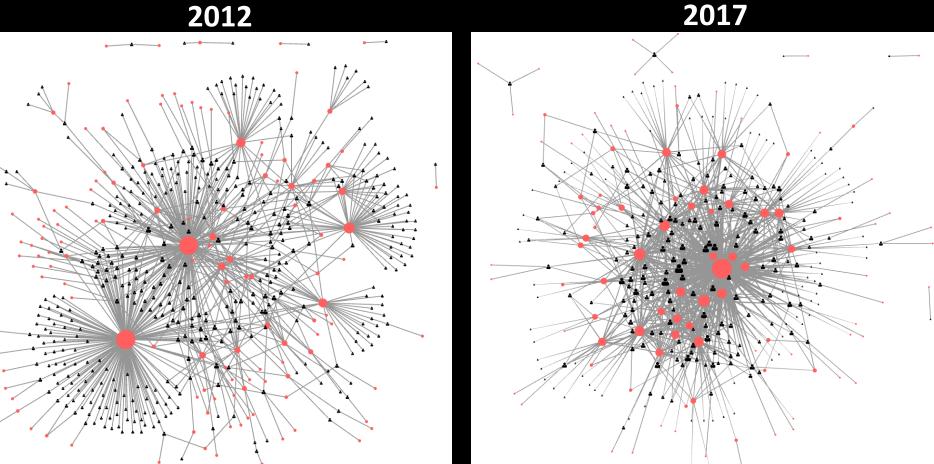
SOCIAL NETWORK ANALYSIS:



13

A FEW SDIS USED BY A LARGE NUMBER OF USERS MANY SDIS USED BY A SMALL NUMBER OF USERS OR ONLY ONE USER

2012



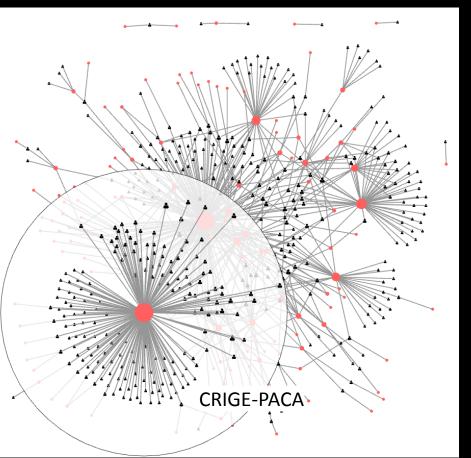
MANY USERS USING ONE **SDI** OR A SMALL NUMBERS OF **SDI**S A FEW USERS USING A LARGE NUMBER OF SDIS

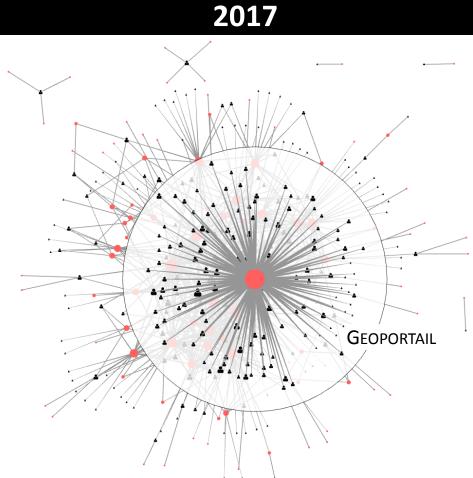
SDI

USER

A FEW SDIS USED BY A LARGE NUMBER OF USERS MANY SDIS USED BY A SMALL NUMBER OF USERS OR ONLY ONE USER

2012





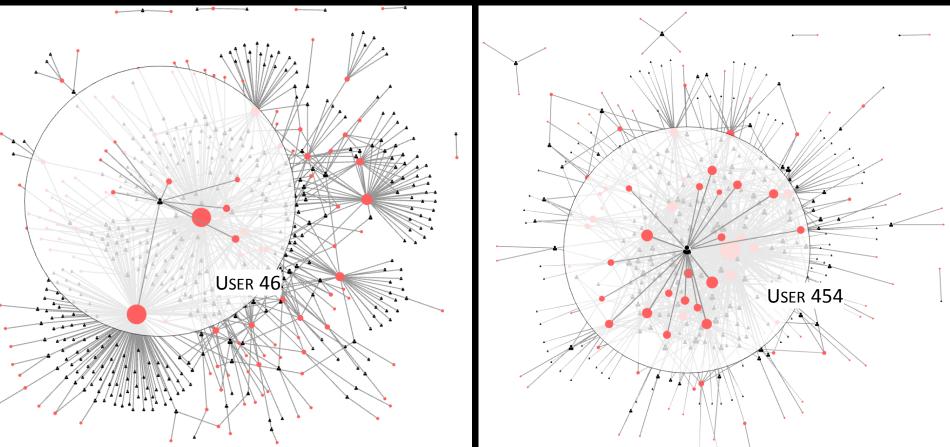
183 users 41 % of the total number of users 126 users 49 % of the total number of users SDI SDI USER

MANY USERS USING ONE SDI OR A SMALL NUMBERS OF SDIS

A FEW USERS USING A LARGE NUMBER OF SDIS

2012

2017



10 SDIs 7 % of the total number of SDIs

20 SDIs 20 % of the total number of SDIs SDI

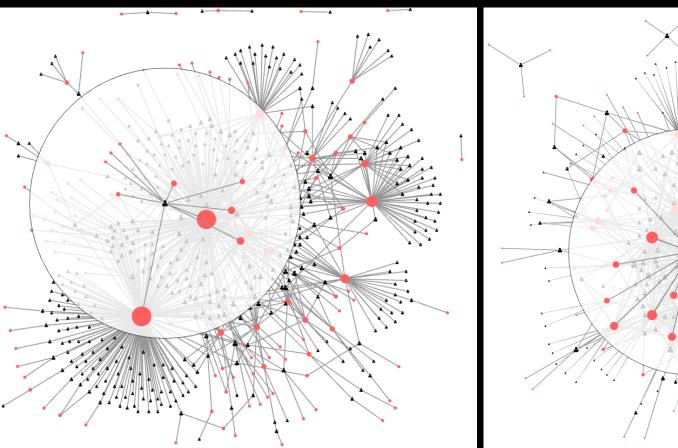
USER

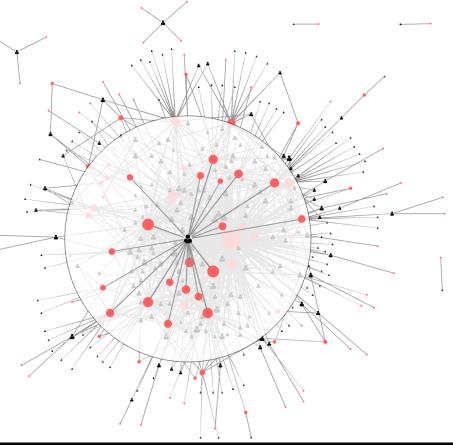
MANY USERS USING ONE SDI OR A SMALL NUMBERS OF SDIS

A FEW USERS USING A LARGE NUMBER OF SDIS

2012

2017





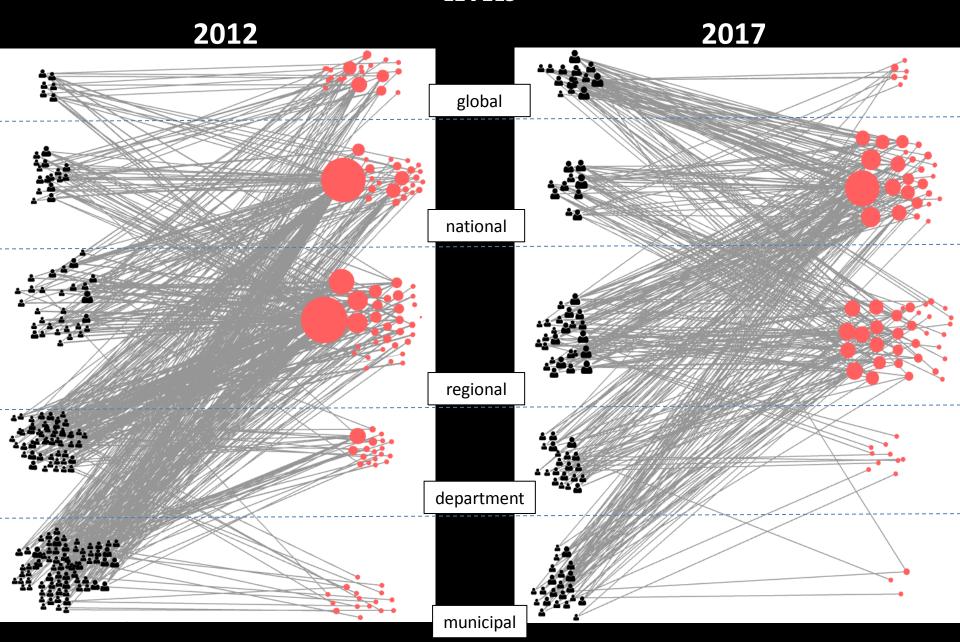
179 users use more than one SDI (69 % of the total number of users) SDI

0

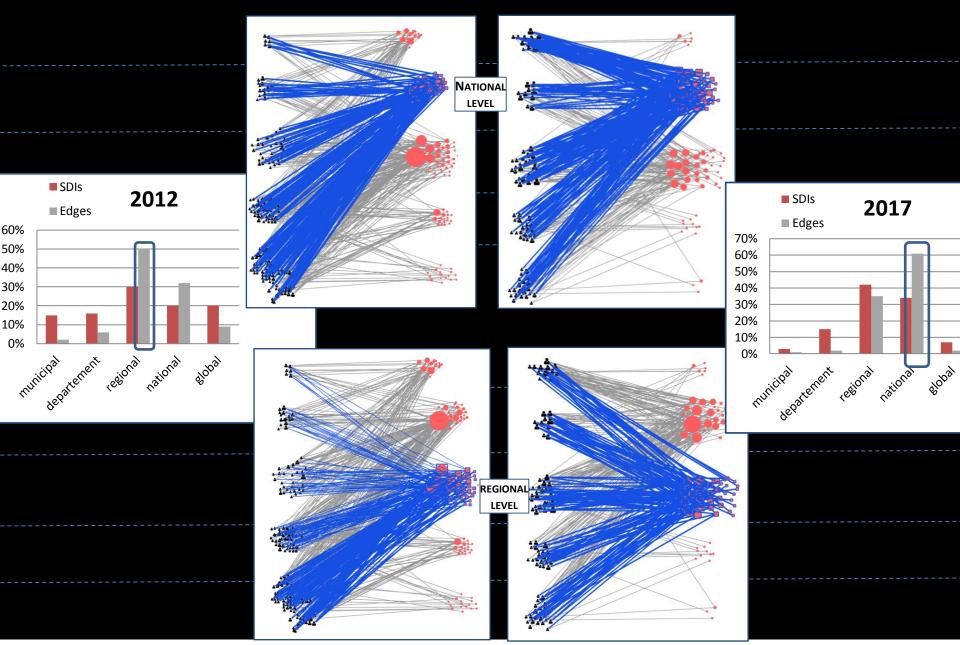
USER

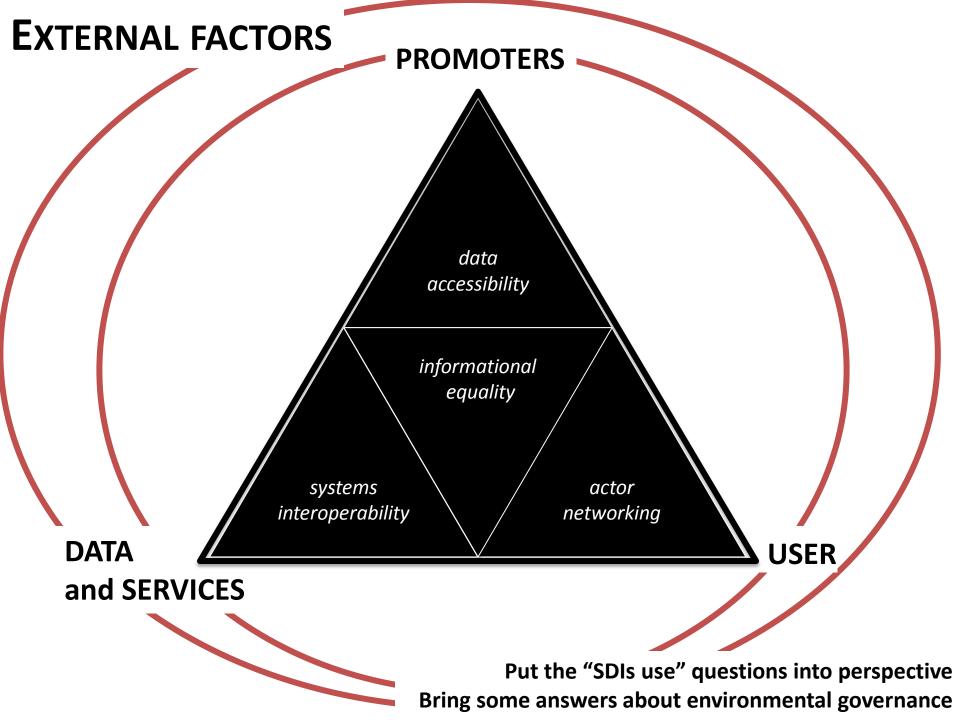
235 users use more than one SDI (53 % of the total number of users)

USERS INVOLVED IN ALL LEVELS USE SDIS IMPLEMENTED FROM LOCAL TO GLOBAL MULTI-LEVEL REPRESENTATION - GRAPHENTED TO THE USERS USING MULTIPLE SDIS



PROMINENT ROLE OF REGIONAL AND NATIONAL SDIS MULTI-LEVEL REPRESENTATION - GRAPH LIMITED TO THE USERS USING MULTIPLE SDIS





THANKS FOR YOUR ATTENTION



FOR MORE INFORMATION: ht

http://geobs.cnrs.fr http://www-iuem.univ-brest.fr/pops/projects/geobs

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GEOBS TEAM:

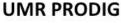
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UMR Passages











EA MICA

BORDEAUX

BREST

PARIS

BORDEAUX

BORDEAUX