

From the OHM to the world ?

Analyzing the politics of scaling in energy transitions processes through the OHM

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Theoretical framework: Energy transitions and the politics of scaling

Scales: from essentialism to constructivism

- The critical turn of scales studies
- How scales are produced and solidified in our representations, discourses and practices ?
- *Politics of scale*
- *Politics of scaling*
- Controversies and conflict
- Scale as ressource
- Scale as legitimation

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Scales and energy transition: risking the « local trap »

- Central focus of energy geography
- Return of essentialist approaches
- Energy transitions and the “local trap”
- Scale production as tools for actors

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Everyday production of scales

- What are the concrete processes behind the politics of scaling ?
- *Scalecrafts*
- Escaping the « intentionality » narratives
- **Questioning the role of medias in scale production**

Research questions and hypothesis

Research question

- How do media narratives intervene in the politics of scaling ?

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Hypothesis

- Hypothesis 1: *Media discourses frame certain energy transitions issues at particular scales*
- Hypothesis 2: *Energy transitions issues are assigned at different scales of newspapers publication*

Research questions and hypothesis

Research question

- How do media narratives intervene in the politics of scaling ?

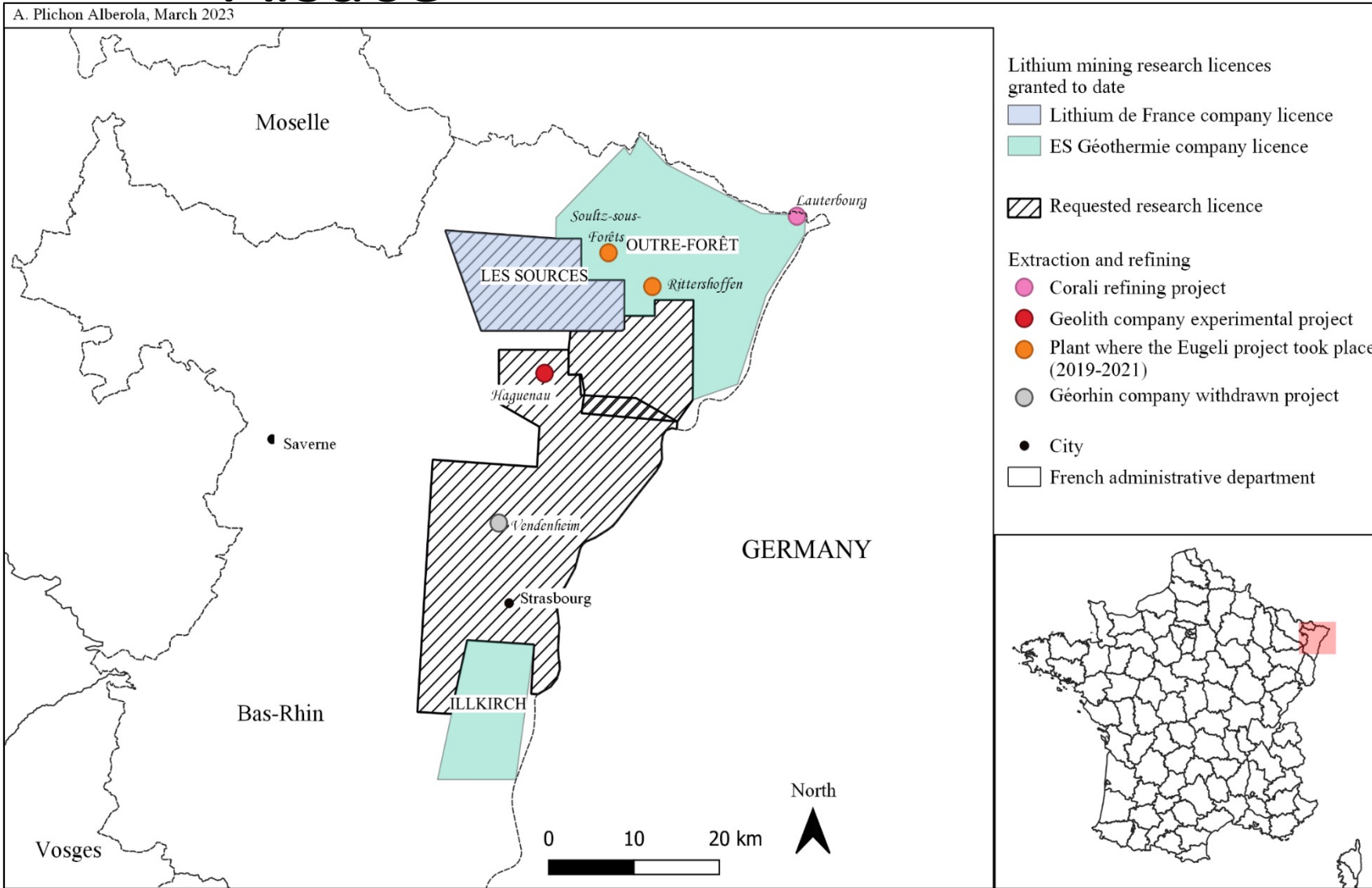
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Case studies

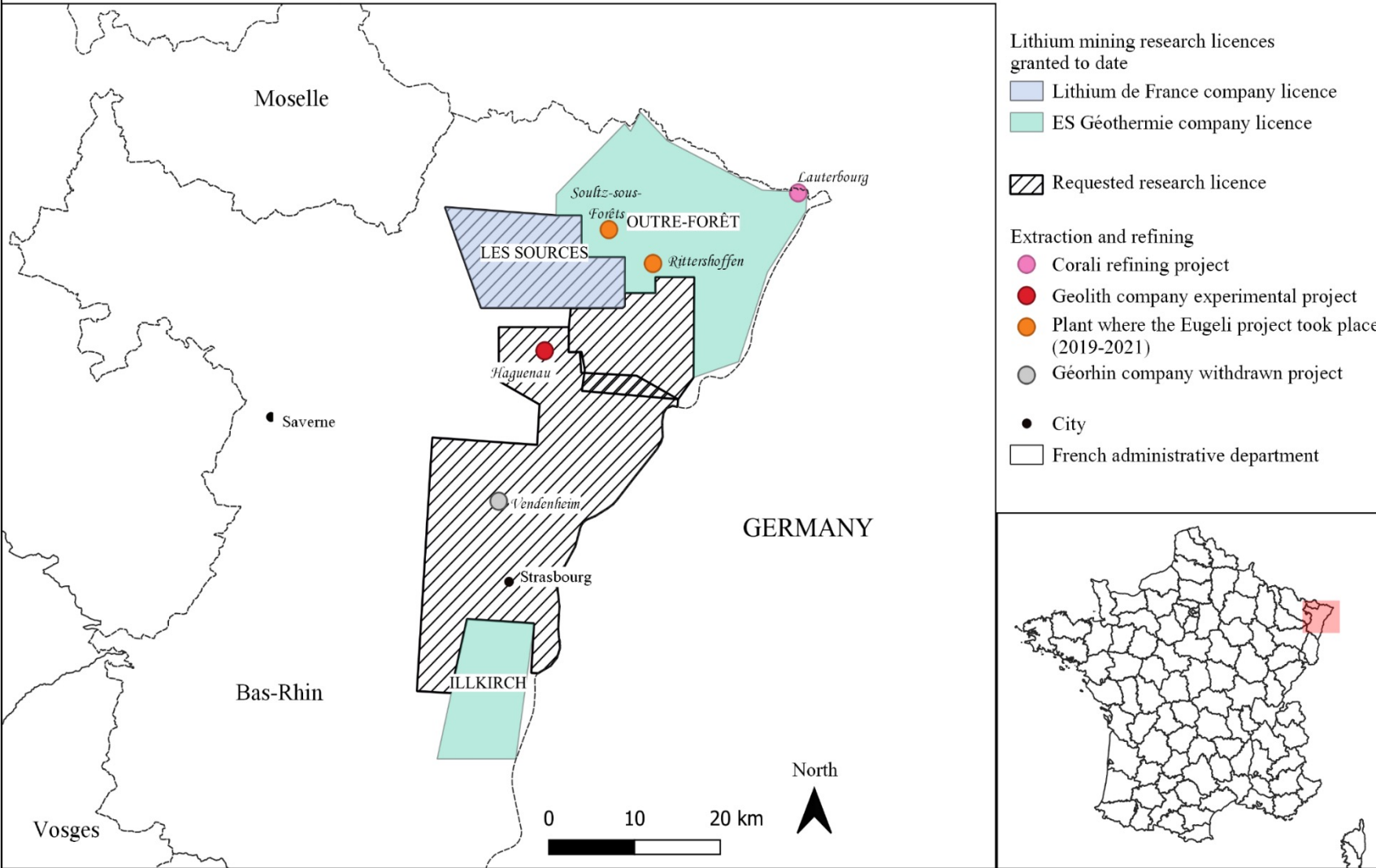
- OHMi Nunavik: Energy transition in the whole OHM
- OHM Fessenheim: Development of the lithium industry

Case 1: Lithium production projects in Alsace



Case 1: Lithium production projects in Alsace

A. Pichon Alberola, March 2023



5 extraction projects :

Eugéli
Les Sources

Geolith

ES Géothermie / Eramet

Vulcan Energy

1 refining project :

Corali

1 withdrawn Project:

Vendenheim

Case 2: Energy transitions in Nunavik



15 600 habitants dont 14 500 au sein des villages inuits et 1 100 du village cri Whapmagoostui (MAMH et al., 2022)



Population en pleine croissance demande d'énergie en hausse



Système électrique = Réseaux autonomes
→ déconnectés du réseau intégré québécois



Production quasi-exclusivement fossile (artic diesel)



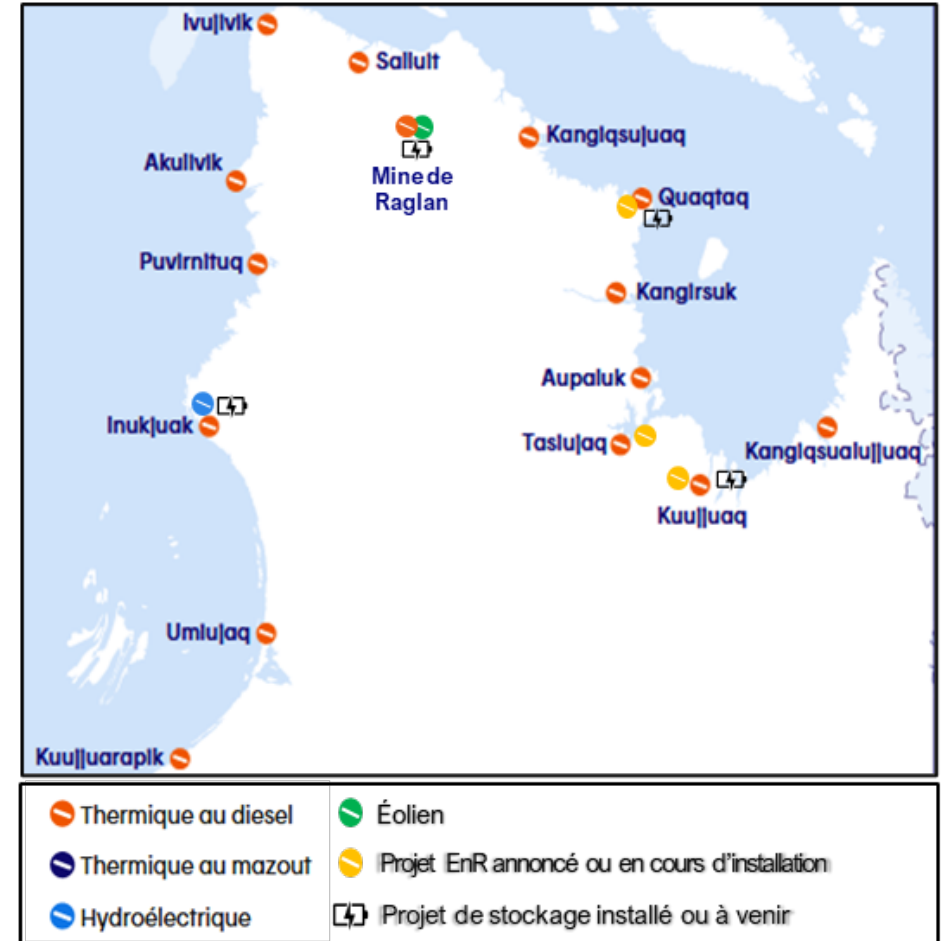
Quelques projets EnR de faible puissance en cours d'installation
→ Exception : Inukjuak et sa centrale hydroélectrique



Transport et usages des bâtiments dépendants des produits pétroliers



Accès à l'énergie difficile et coûteux



Centrales des réseaux électriques autonomes du Québec
Adapté de (Hydro-Québec, 2022)

Case 1: Methods and data

Newspapers selected	Regional press : <i>Les Dernières Nouvelles d'Alsace, L'Alsace</i> National press : <i>20 minutes, Les Echos, Le Monde, Le Figaro, L'Humanité, Libération, La Tribune</i>
Keywords : Lithium + ...	Geographic keywords : Alsace, Soultz-sous-Forêt, Rittershoffen, Trappes, Lauterbourg, Haguenau, Thann, Vendenheim, Plaine du Rhin, Outre-Forêt, Illkirch, Les Cigognes, Les Poteries Minérales, Les Sources Alcalines, Bas-Rhin, Haut-Rhin Actor-related keywords : Eugéli, Electricité de Strasbourg, Eramet, Corali, Viridian, Geolith, Arverne, Lithium de France, Vulcan Energy Technic keywords : geothermy, drilling, mining research licence
Dates	2017-April 15th 2023
Data access	For the <i>DNA</i> and <i>L'Alsace</i> , their own search engine. For the other newspapers, Europresse database

Extract from the final database

Code	Title	Year	Month	Day	Newspapers	Scale	Section	Author
DNA230413	En 2023, ave	2023	Avril	13	DNA	Regional	Society	
DNA230412	Géothermie	2023	Avril	12	DNA	Regional	Society	Amélie Rigo
TRI230316	Lithium de F	2023	Mars	16	TRI	National	Local	Olivier Mirguet
ALS230315	Deux nouvea	2023	Mars	15	ALS	Regional	X	Alexandre Rol
DNA230315	Deux nouvea	2023	Mars	15	DNA	Regional	Economy	Alexandre Rol
ECH230315	Géothermie	2023	Mars	15	ECH	National	Economy	Bénédicte Weiss
FIG230314	Lithium de F	2023	Mars	14	FIG	National	Economy	
ALS230314	Géothermie	2023	Mars	14	ALS	Regional	X	D.T.
DNA230314	Géothermie	2023	Mars	14	DNA	Regional	Economy	D.T.

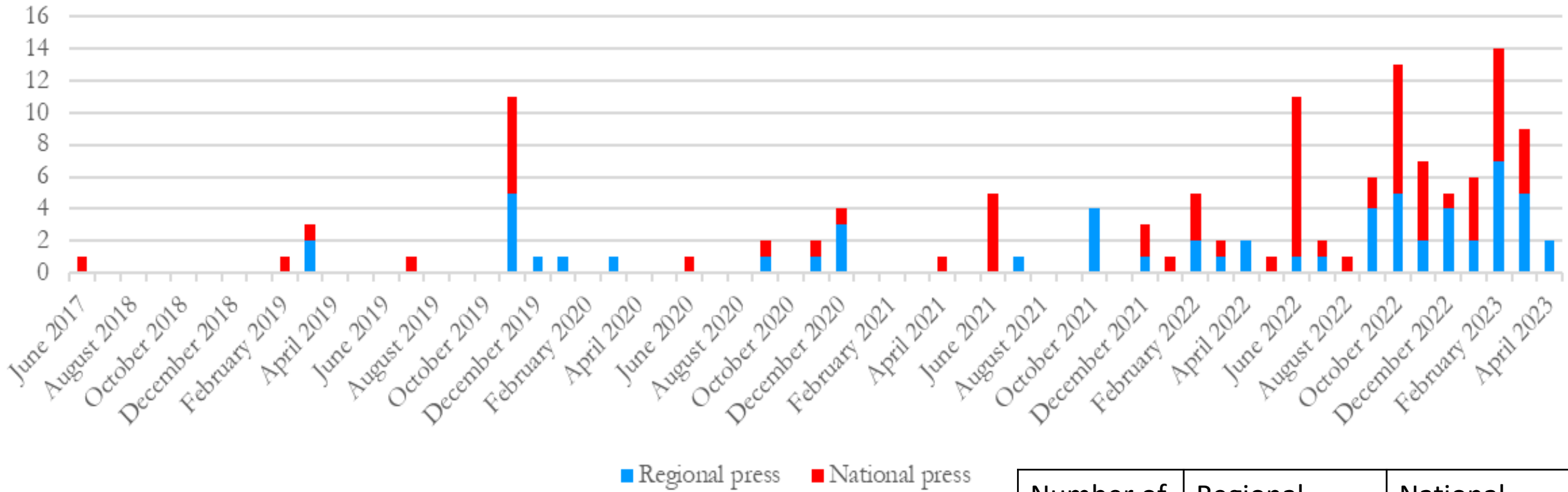
Using the Iramuteq software

```
****
*code_xxx
*year_xxxx
*newspapers_xxxx
*scale_xxxx
*section_xxxx
*OHM_Fessenheim
```

Case 1: Methods and data

Number of articles per month, released between June 2017 and April 2023, in both regional and national press

n = 130



Number of articles	Regional press	National press
130	59	71

Case 2: Methods and data

Échelle régionale (locale)

Taqralik Magasine

17 numéros entre
l'été 2017 et l'été 2022



Nunatsiaq News

274 numéros entre
l'été 2017 et l'été 2022



973 articles
sélectionnés

36 articles
sélectionnés

Échelle provinciale (nationale)

ICI  RADIO-CANADA

LA
PRESSE

LE
JOURNAL
DE
MONTRÉAL

LE DEVOIR

39 articles
sélectionnés

Échelle nationale


CBC news

16 articles
sélectionnés



Total = 164 textes

Hypothesis 1: the press assigns specific issues to each scale

Produced with Iramuteq software



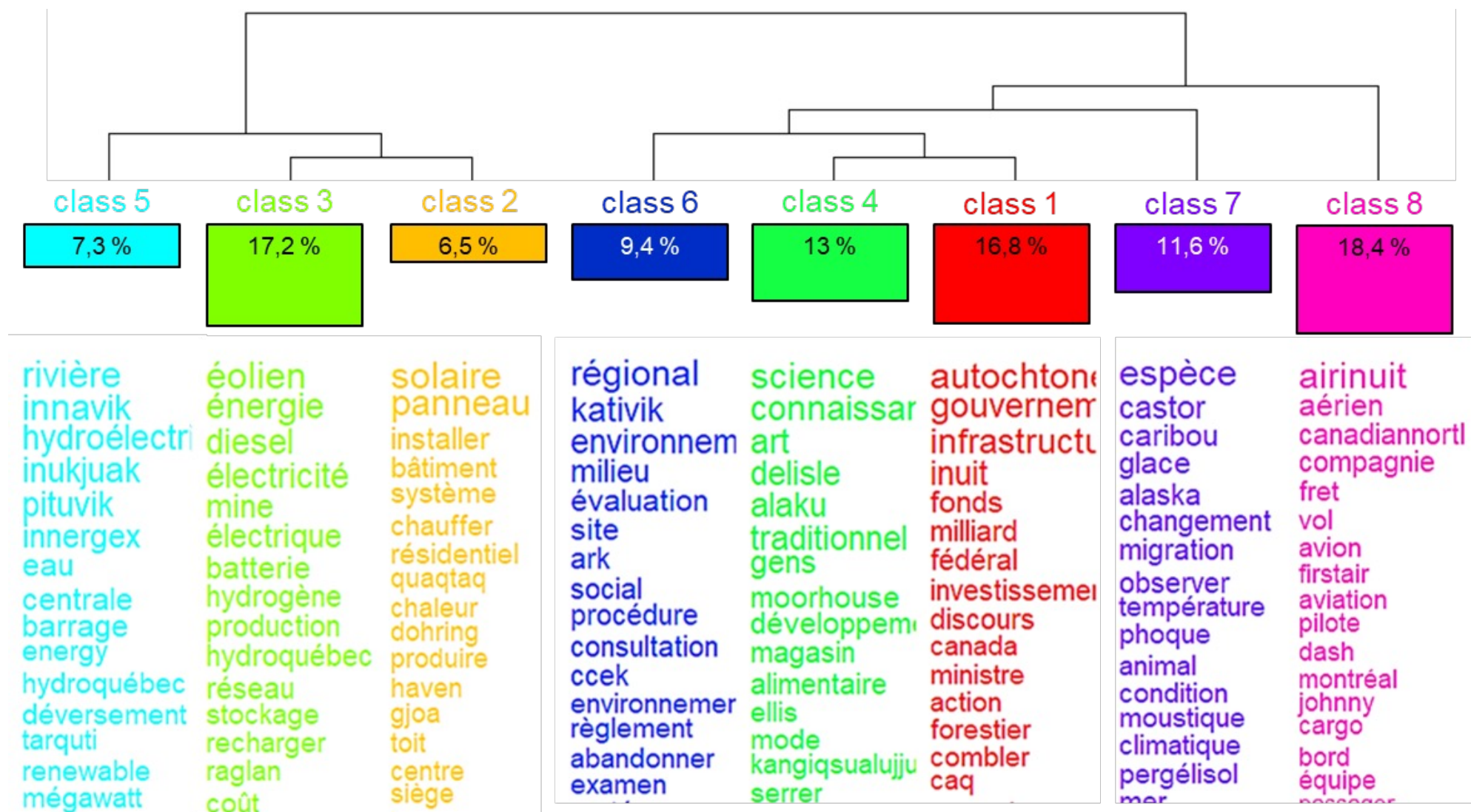
Descending hierarchical classification

- Toponyms
- Other spatial terms

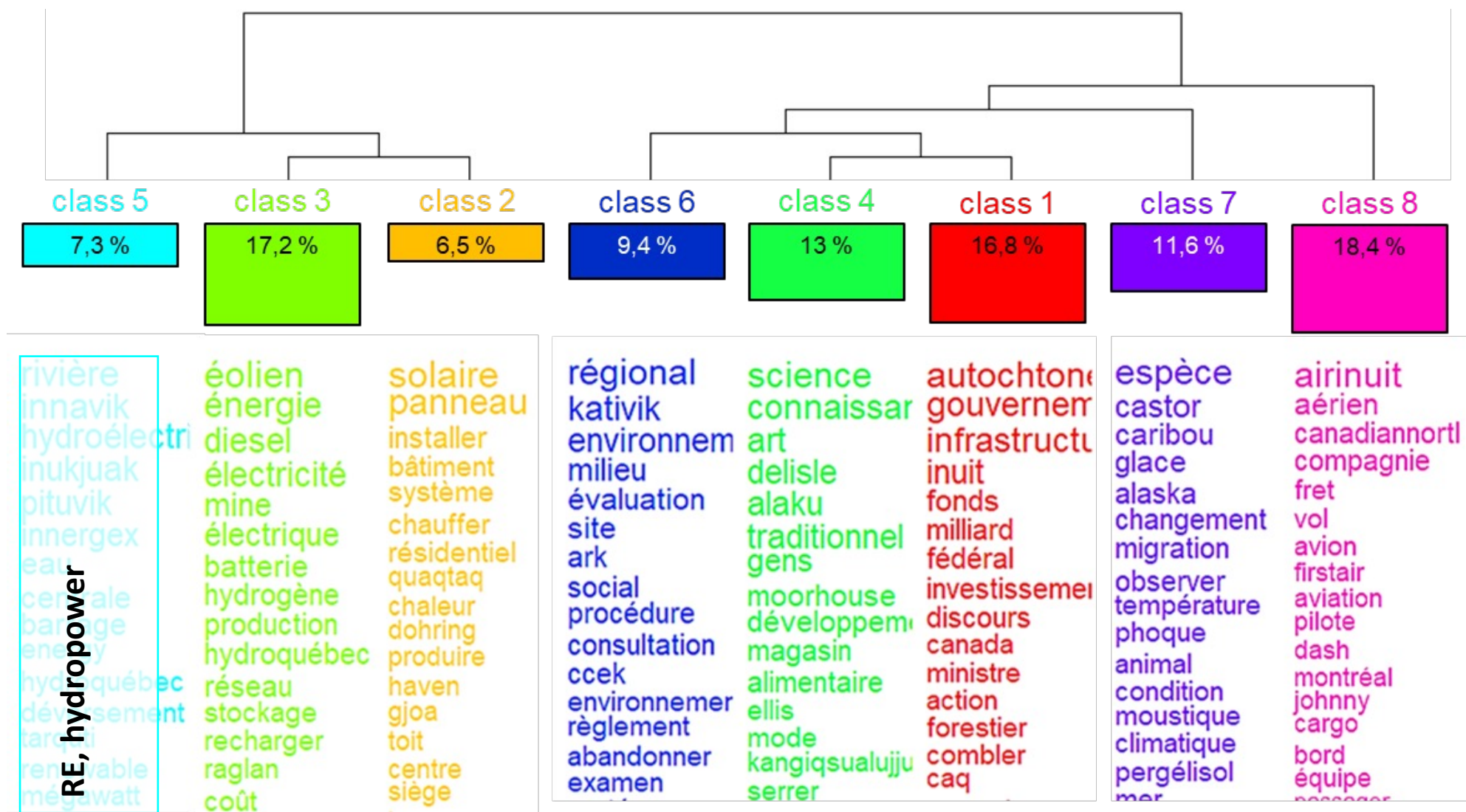


Risks and politics (mostly local scale, but also national scale) Extraction technic and focus on geology, regional scale Extraction technic and focus on the chemical process, local scale Actors, international scale Politics and dependency, european and global scale Outcomes, mostly electric mobility, no scale Financial aspects, governmental scale

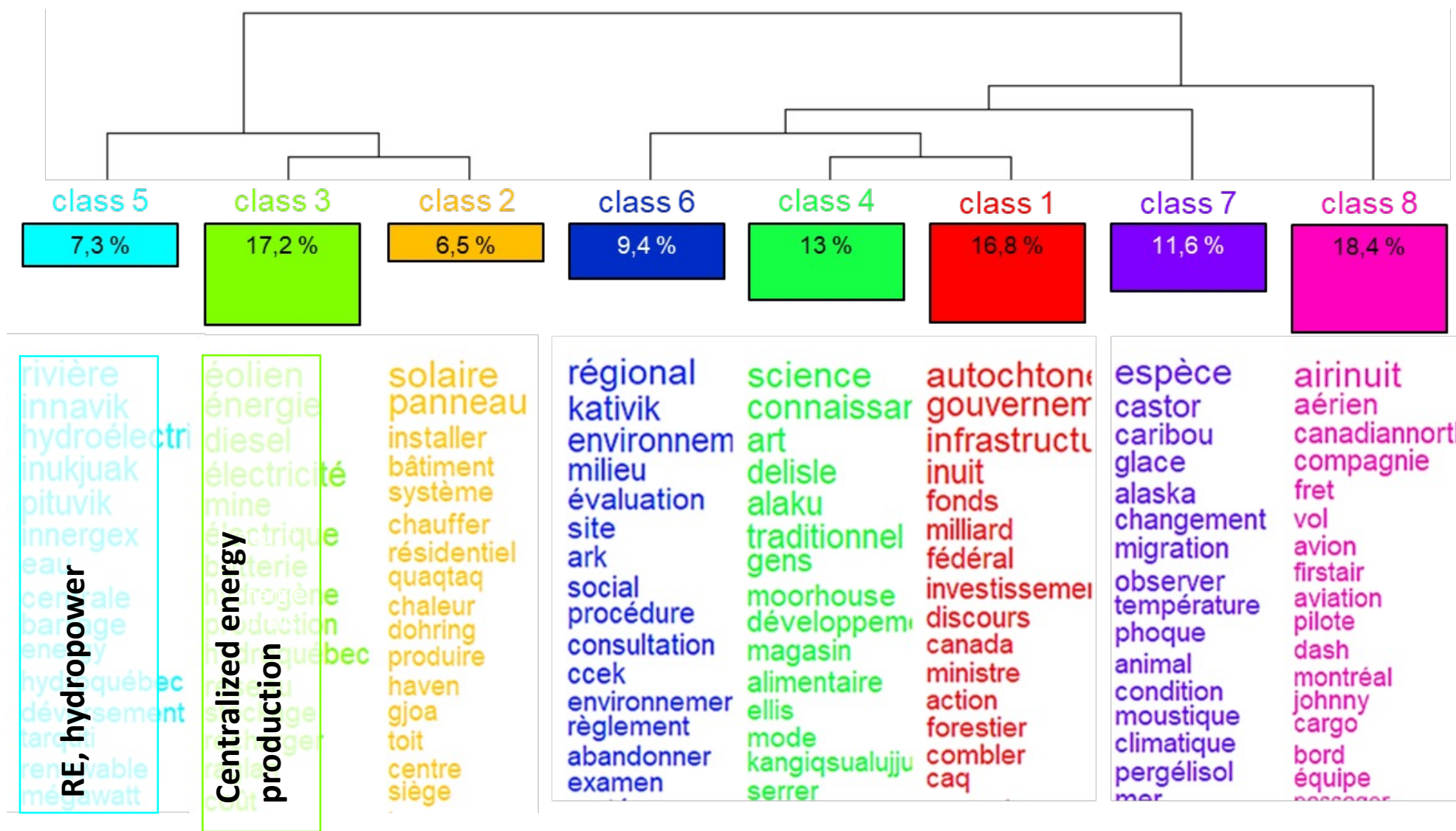
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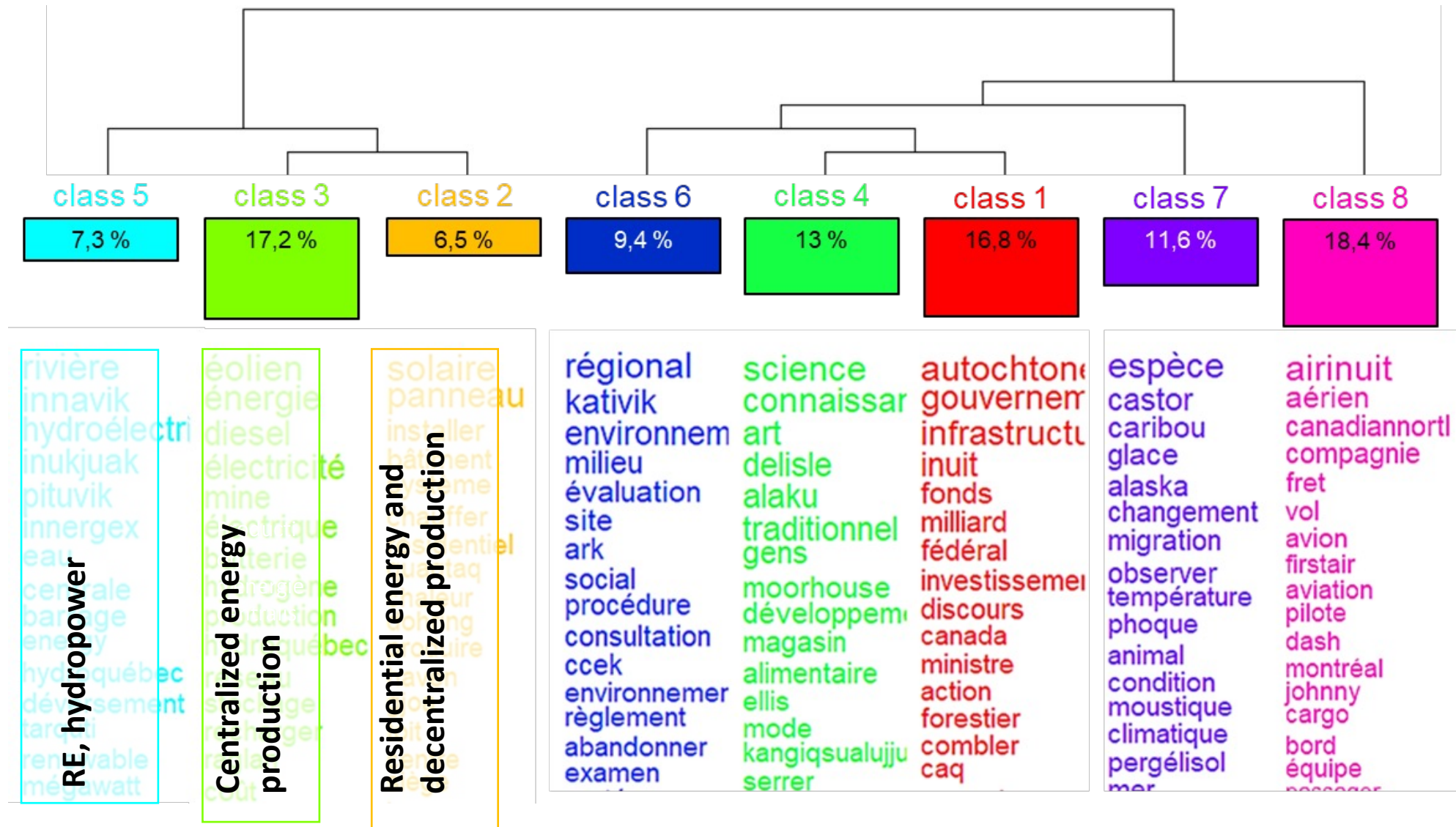
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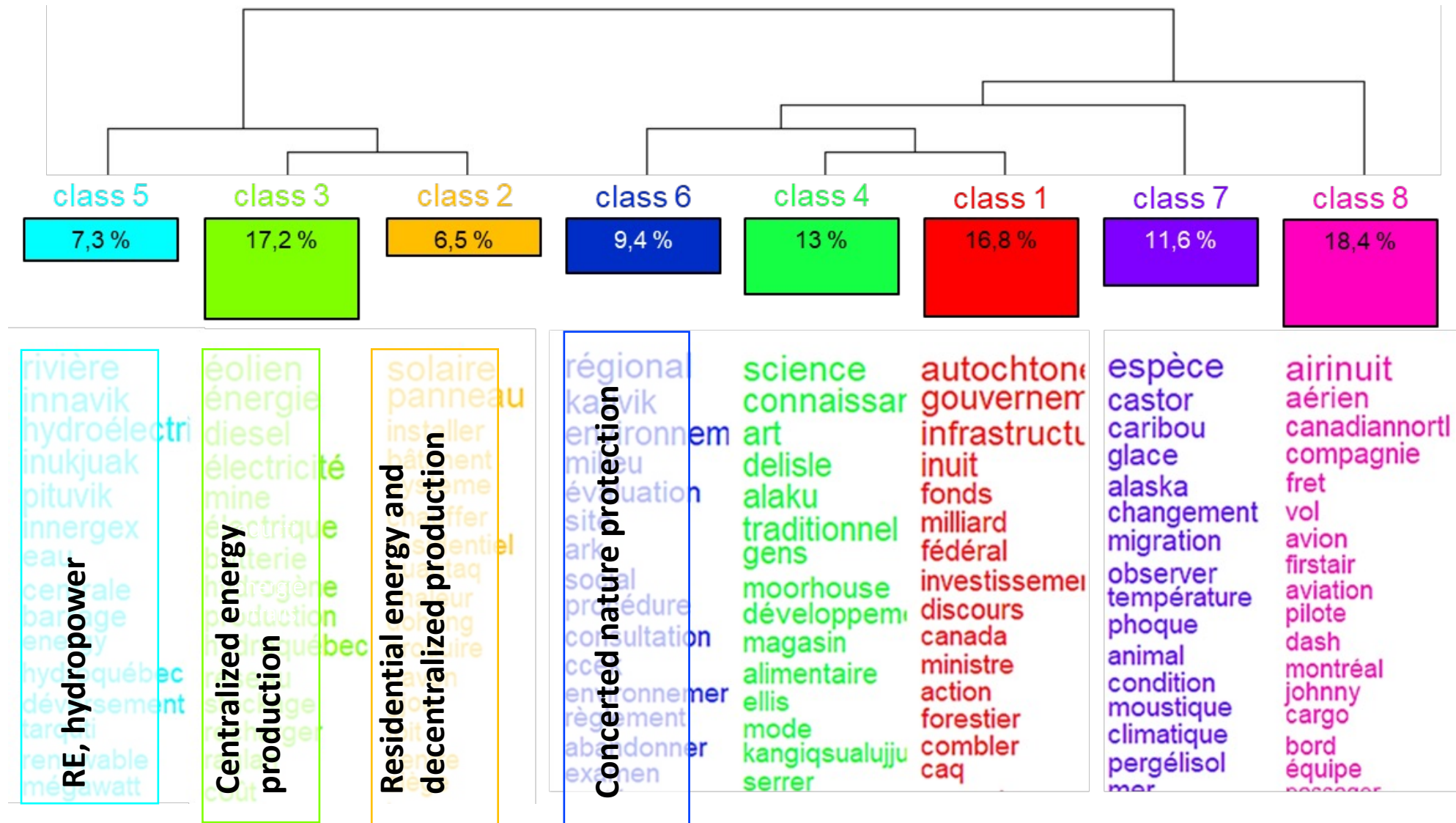
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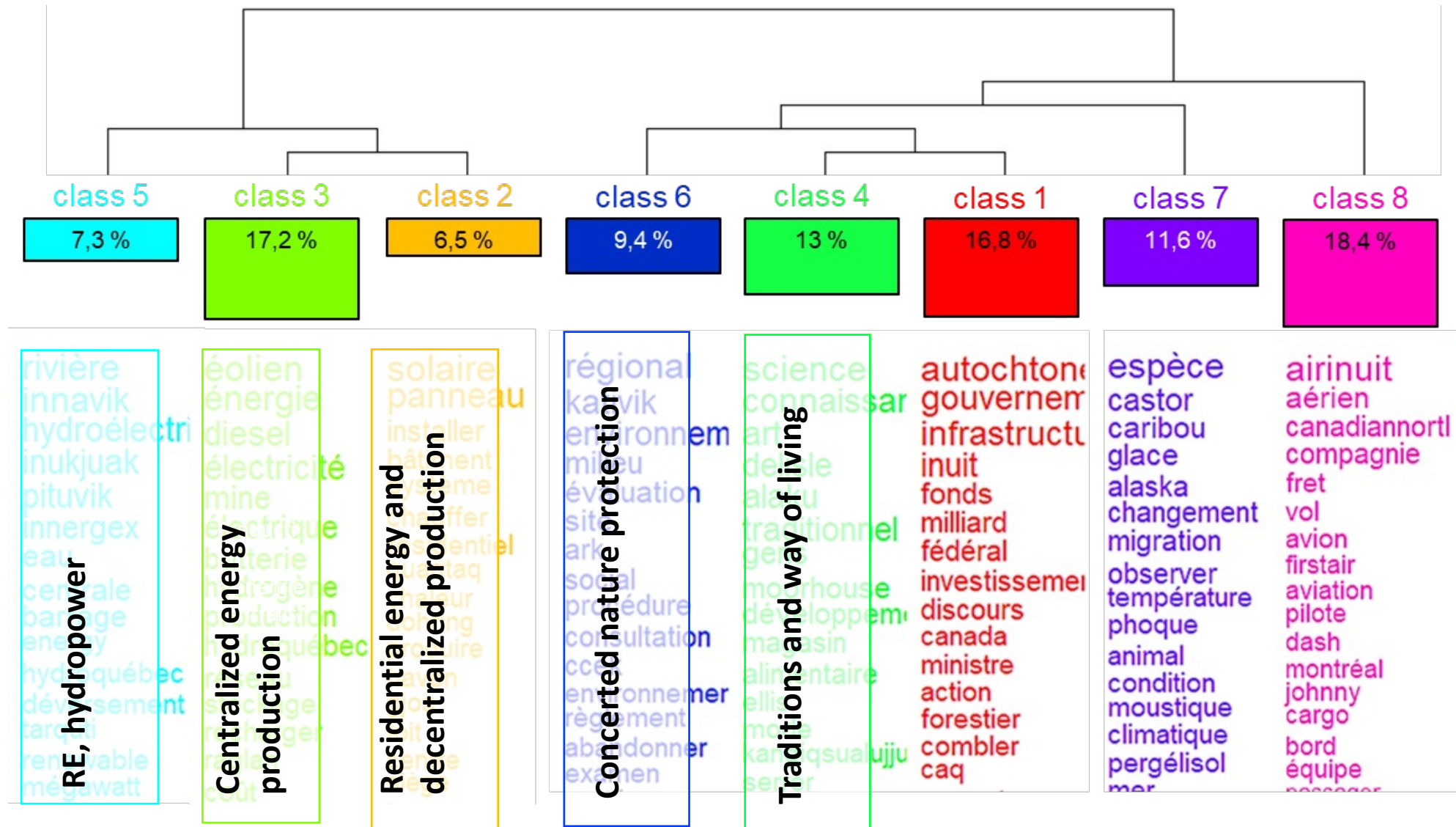
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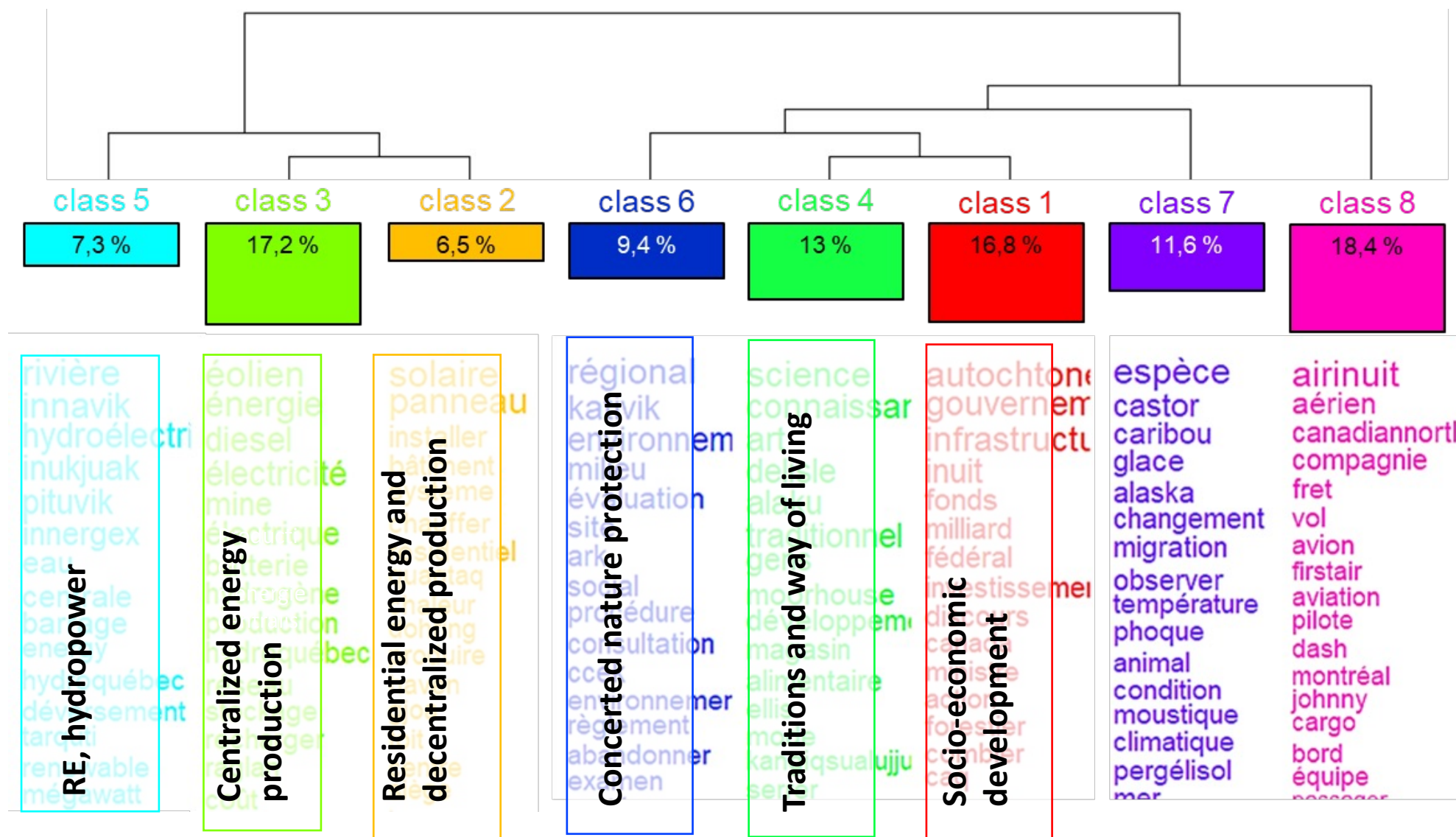
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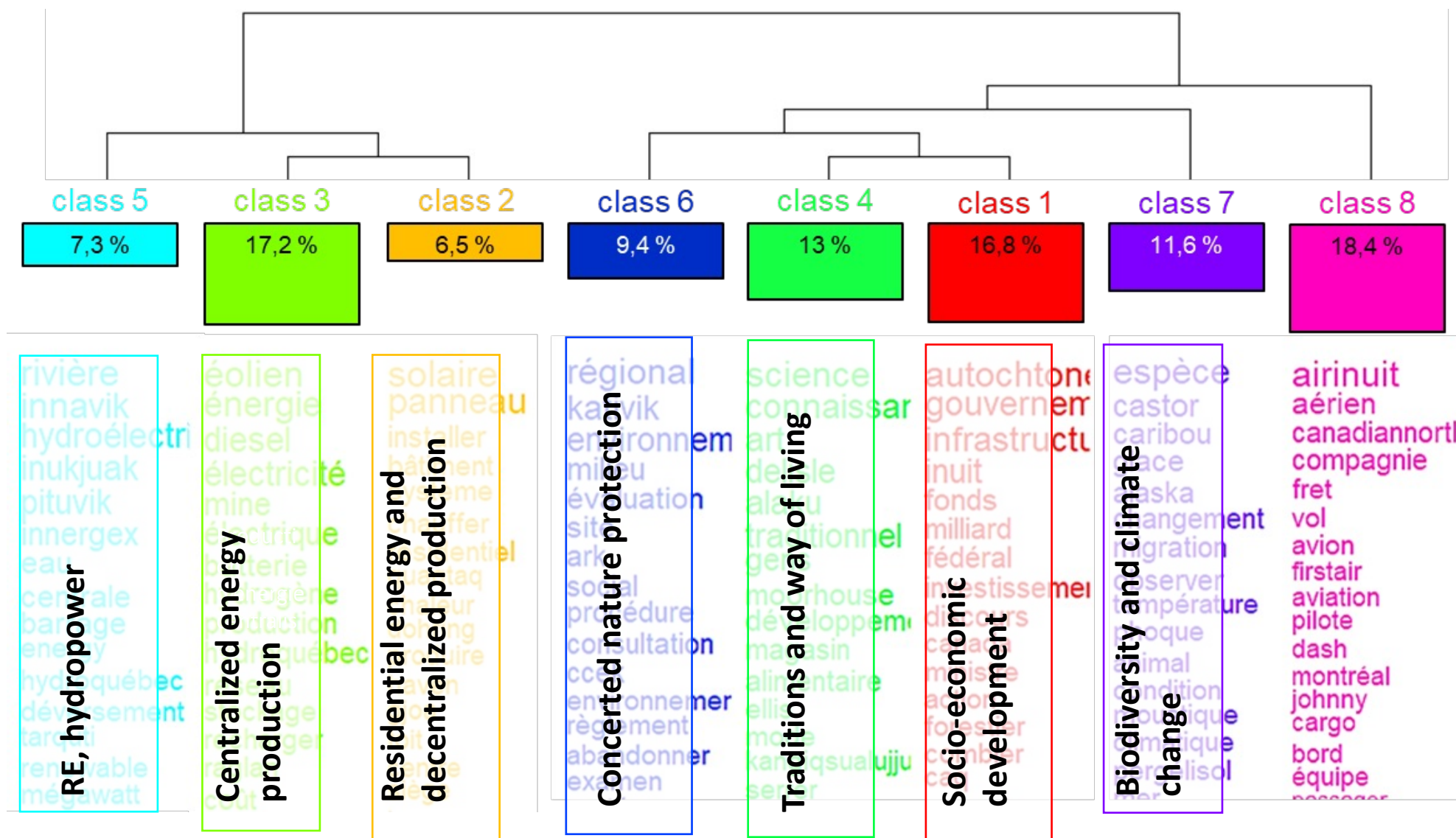
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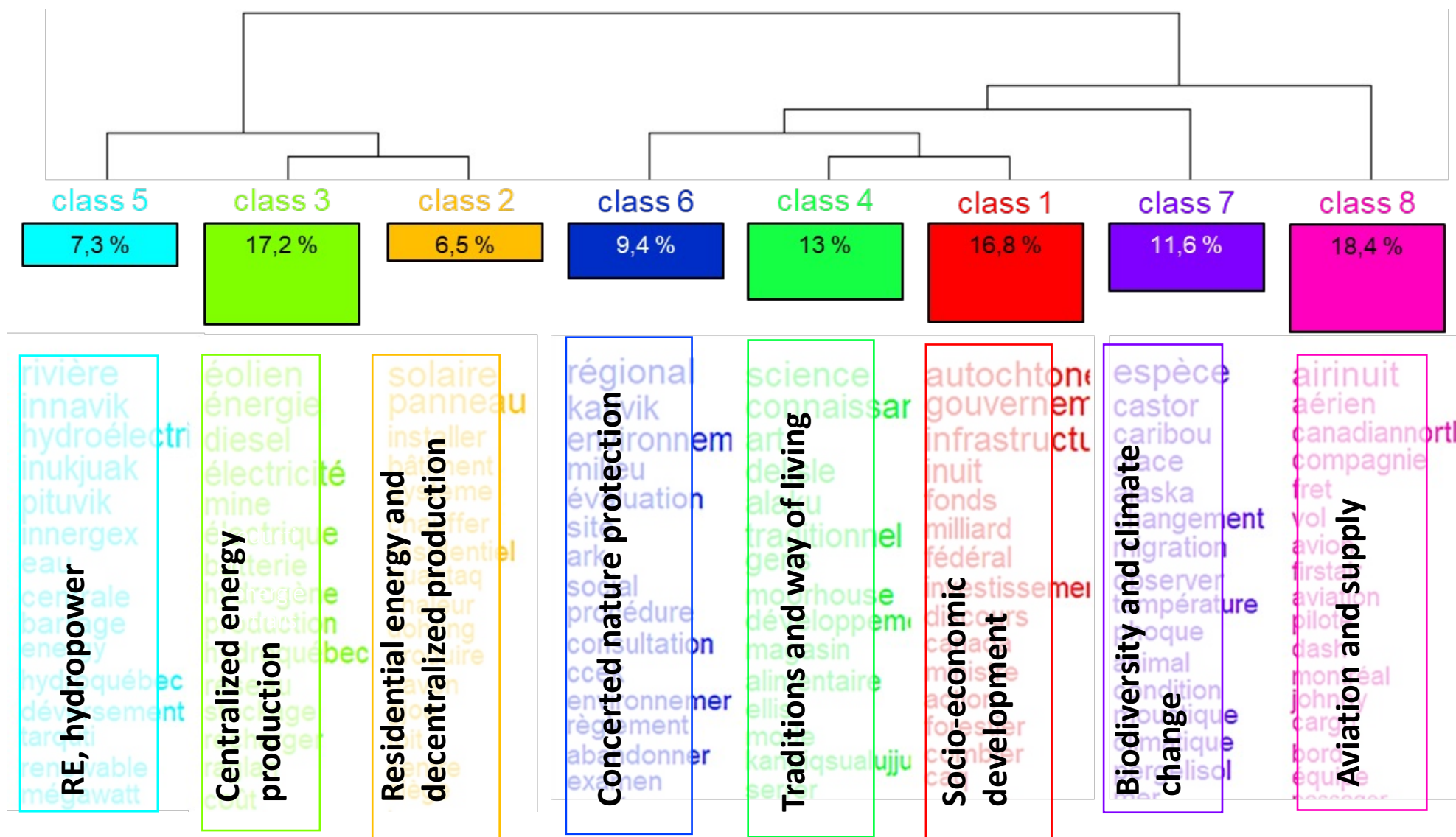
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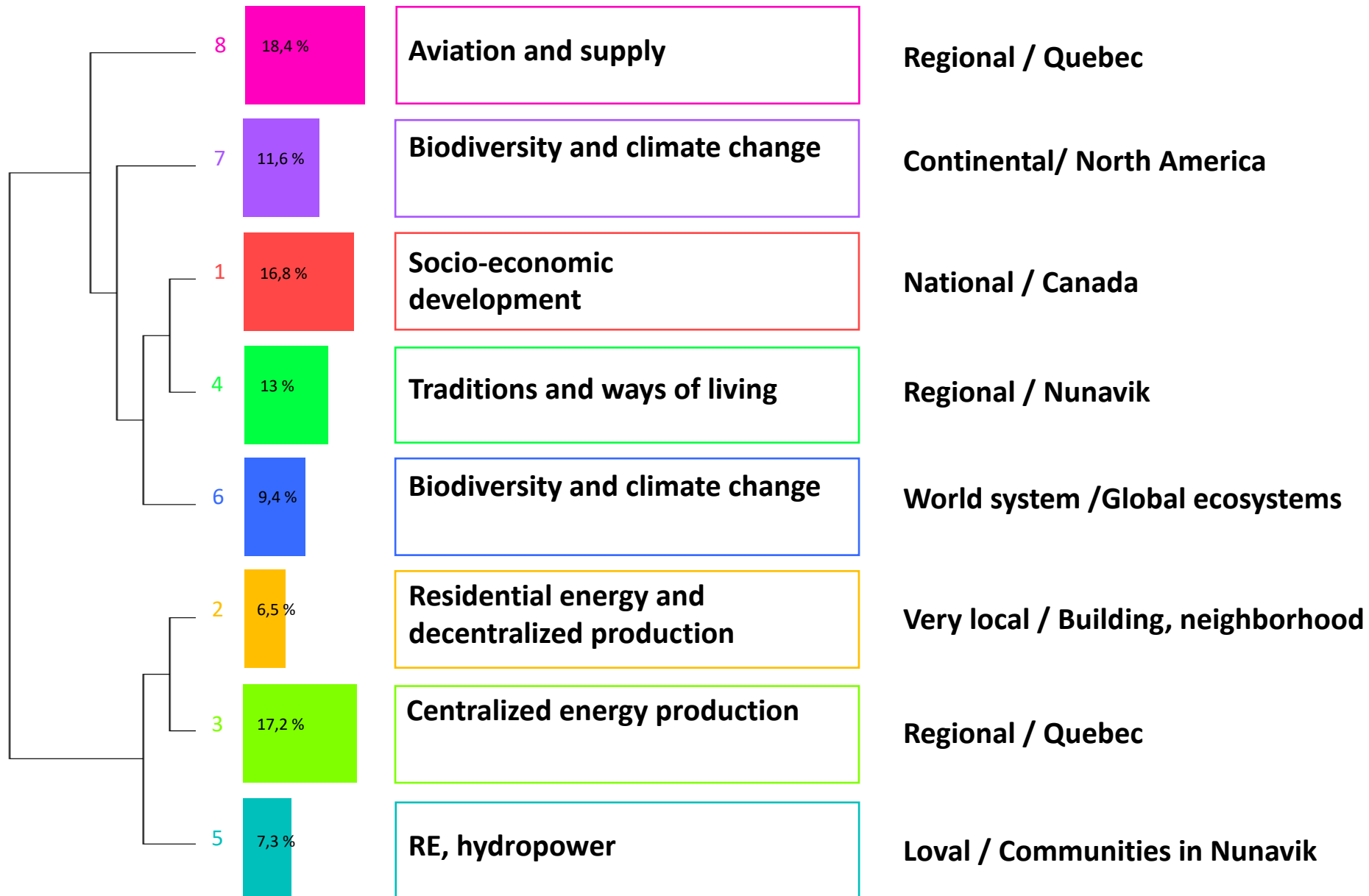
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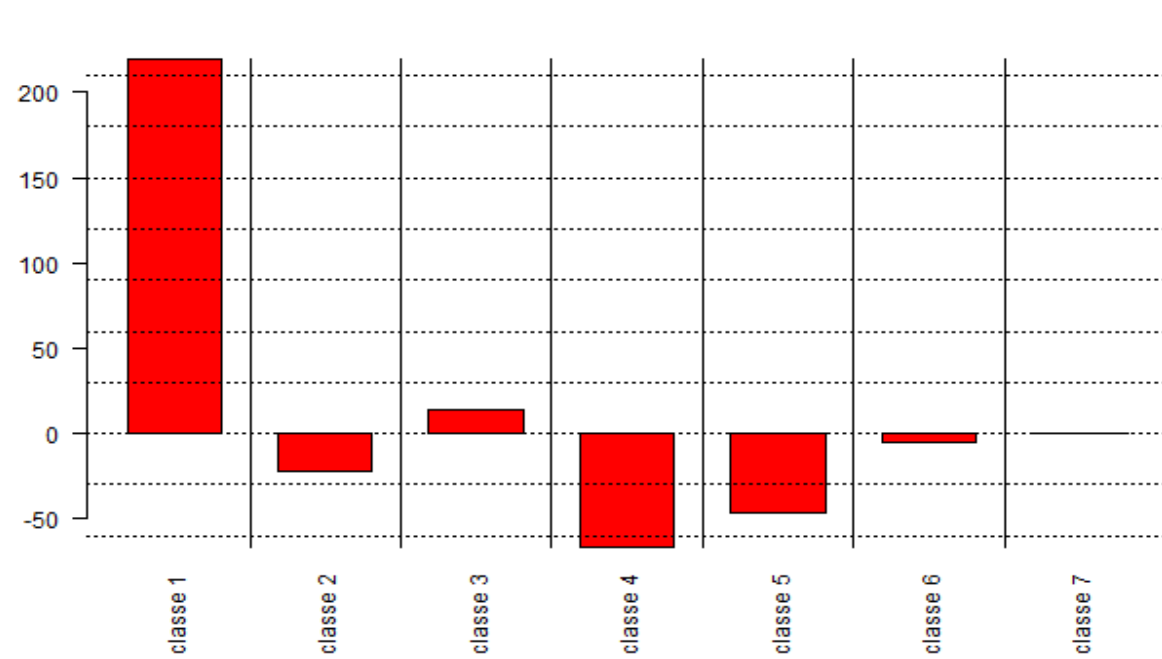
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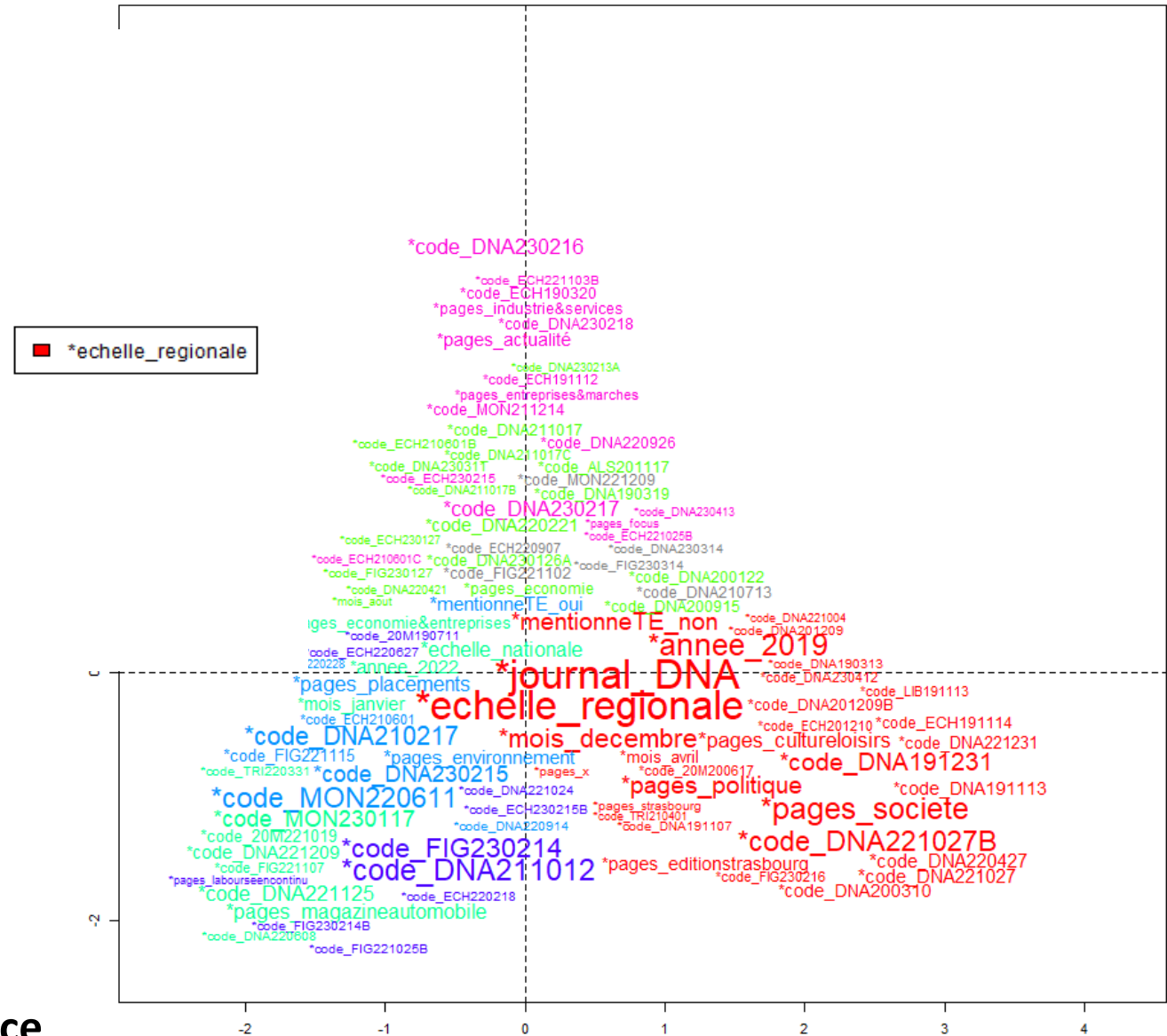
Hypothesis 1: the press assigns specific issues to each scale



Hypothesis 2: issues are assigned to specific scales of press circulation



Chi-square test



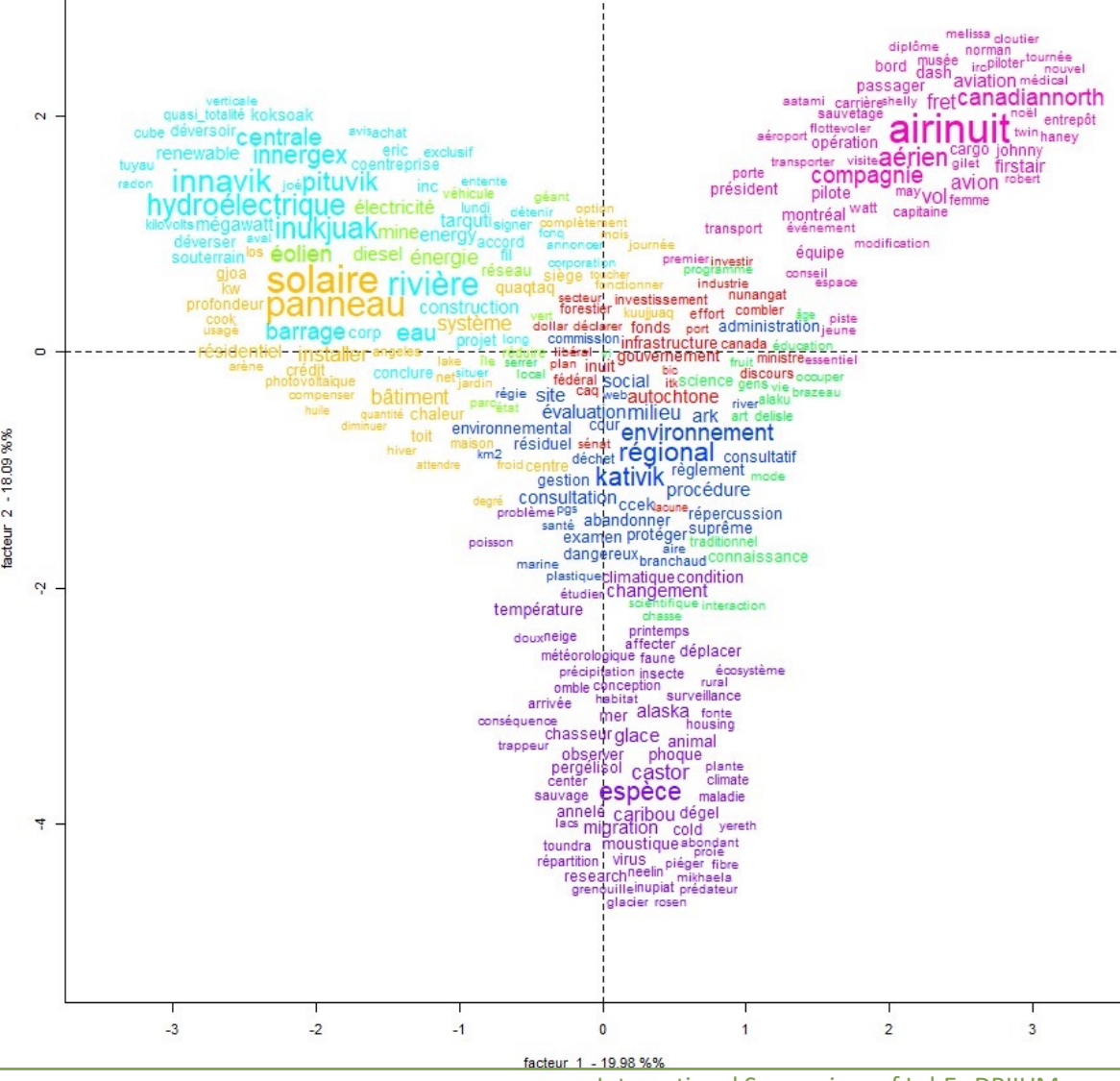
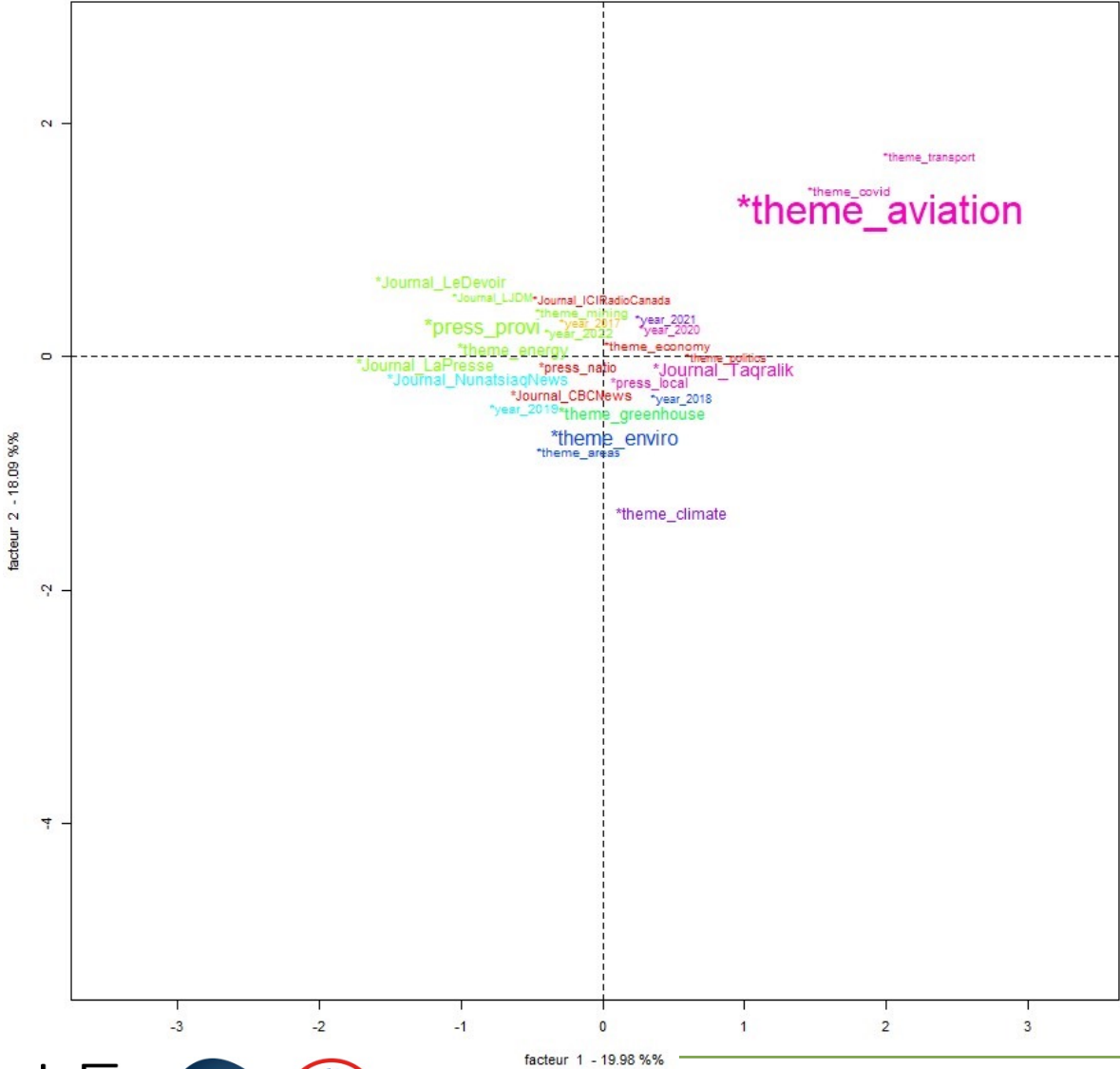
Correspondence factor analysis

facteur 1 - 23.86 % International Symposium of LabEx DRIIHM
Inter-Disciplinary Research Facility on Human-Environment Interactions - ANR-11-LABX-0010

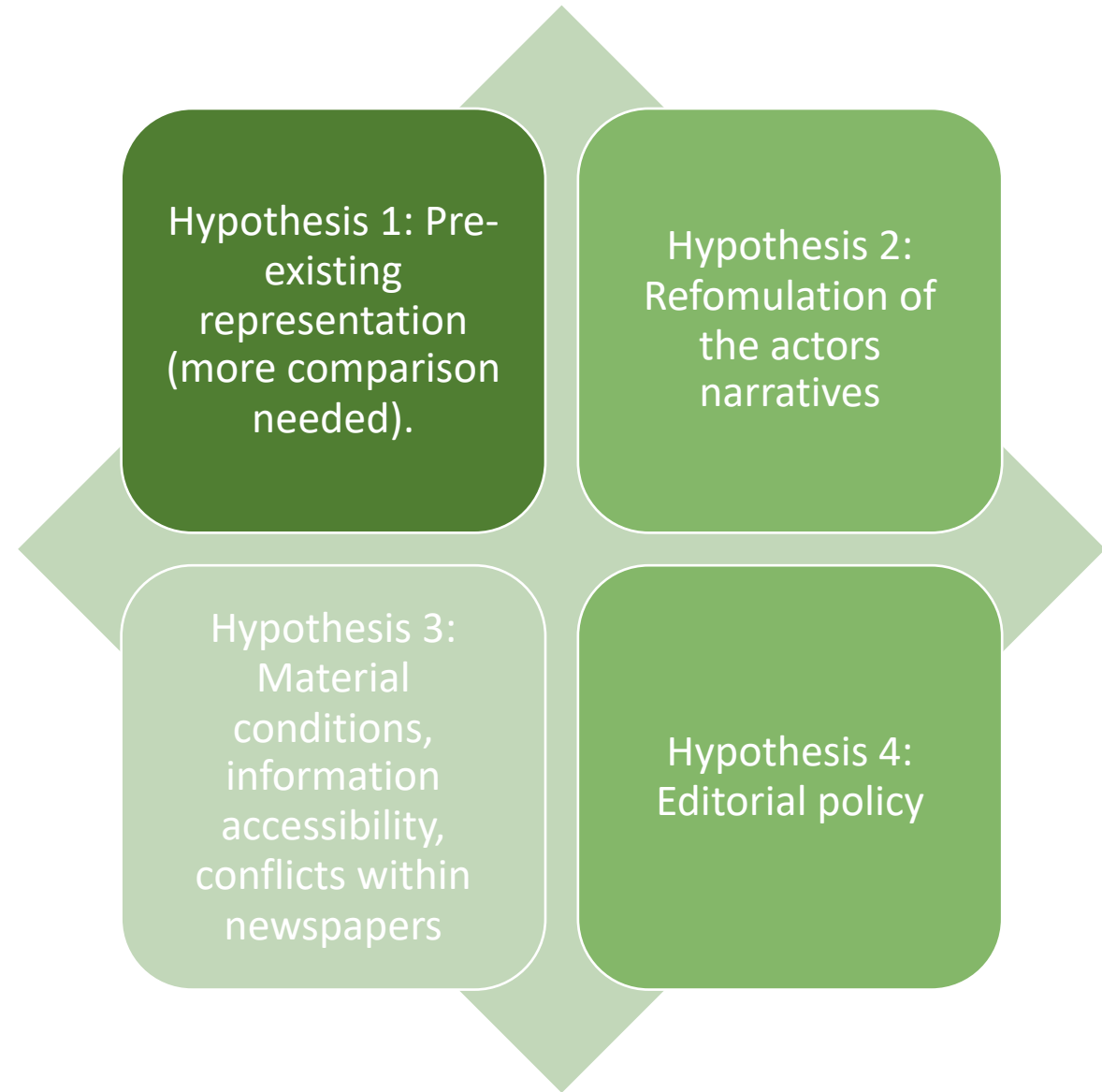
June 5th-7th, 2023 – Strasbourg (France)



Hypothesis 2: issues are assigned to specific scales of press circulation



Next steps:
explaining
these
processes



Thank you for your attention !

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