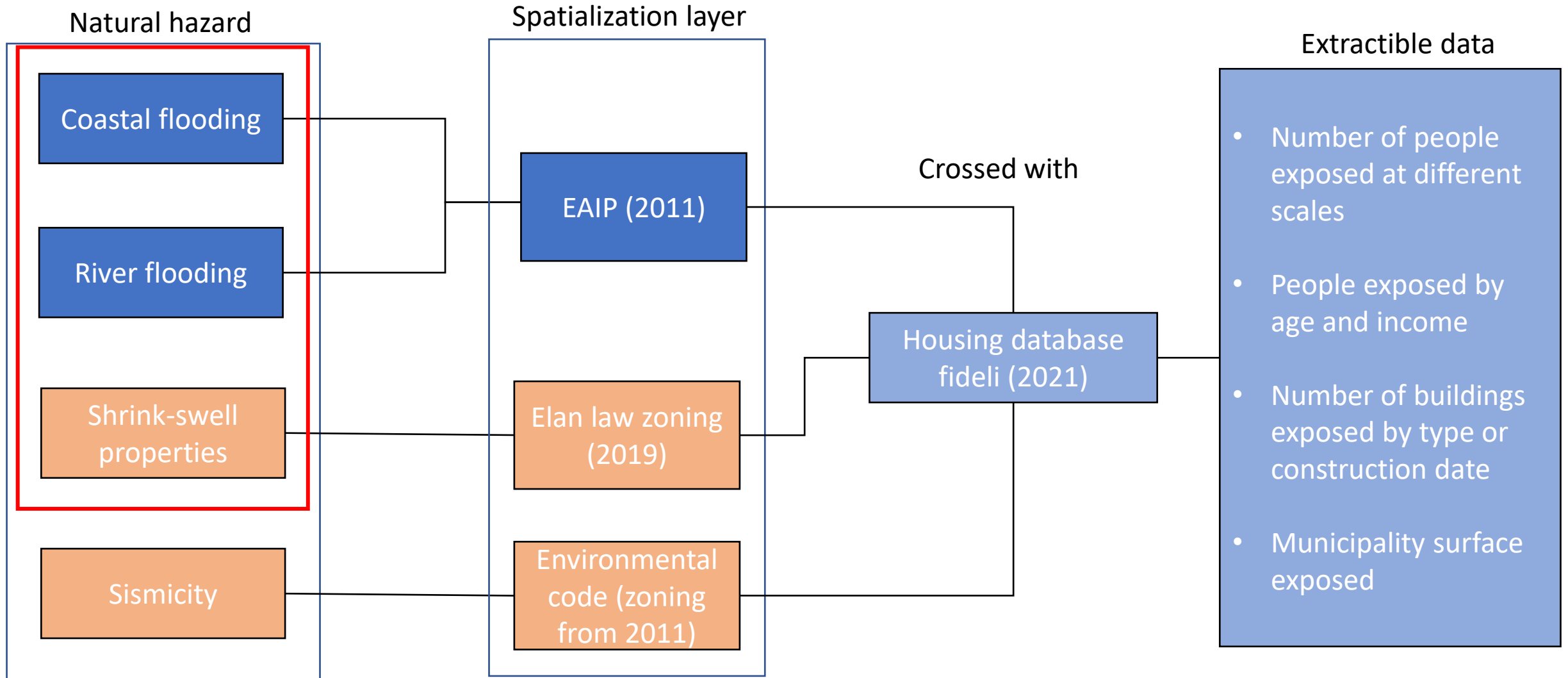




**Use of statistical databases on housing and individuals to quantify population exposure to natural hazards in France. A tool to better understand areas of vulnerability and how to guide risk policy.**

Benjamin TROCHON

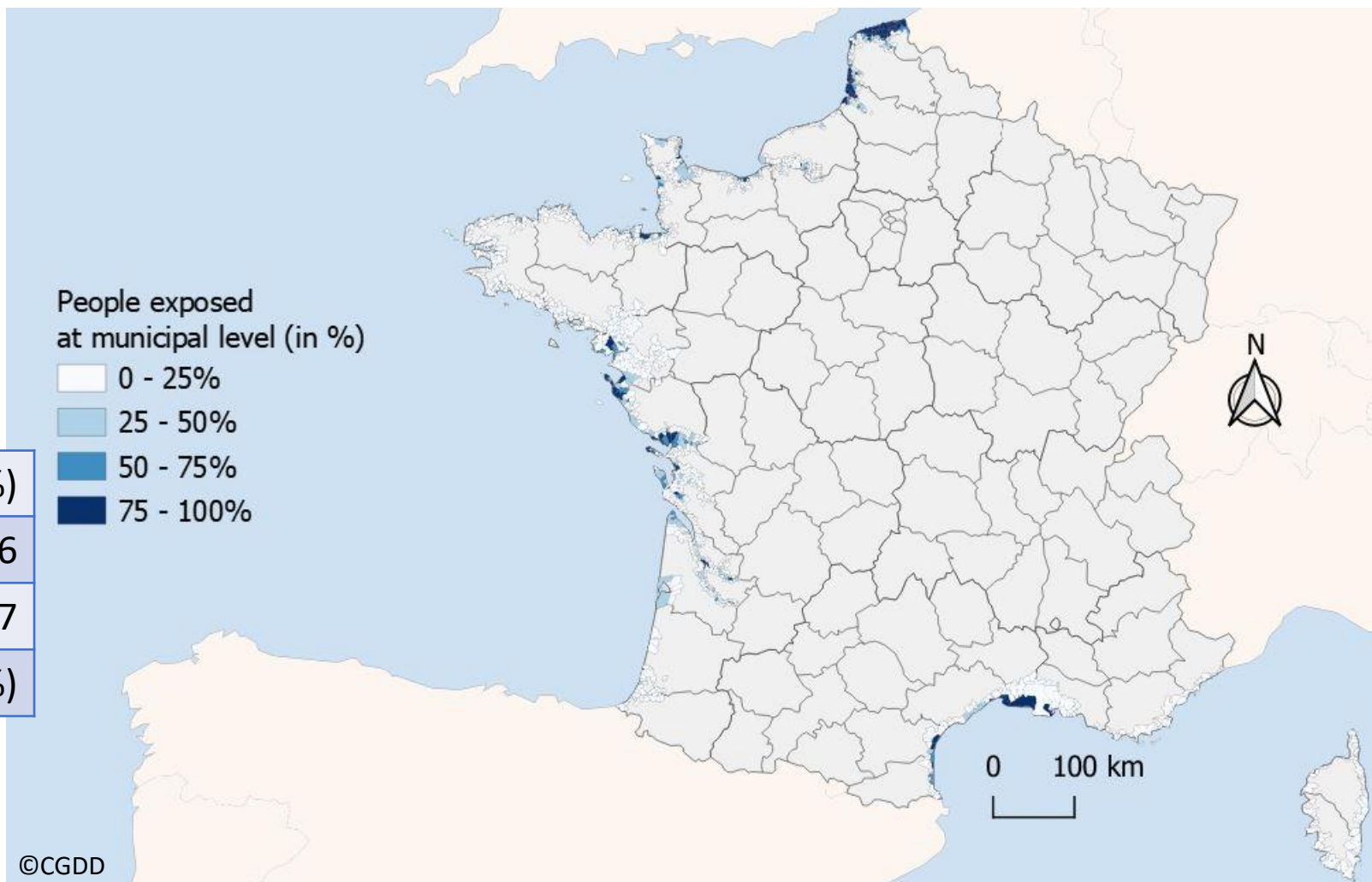
# Methodology



## Coastal flooding

- 1 678 municipality exposed out of 35 000
- Total population from fideli database : 69 M (2021)
- Total houses : 38.16M

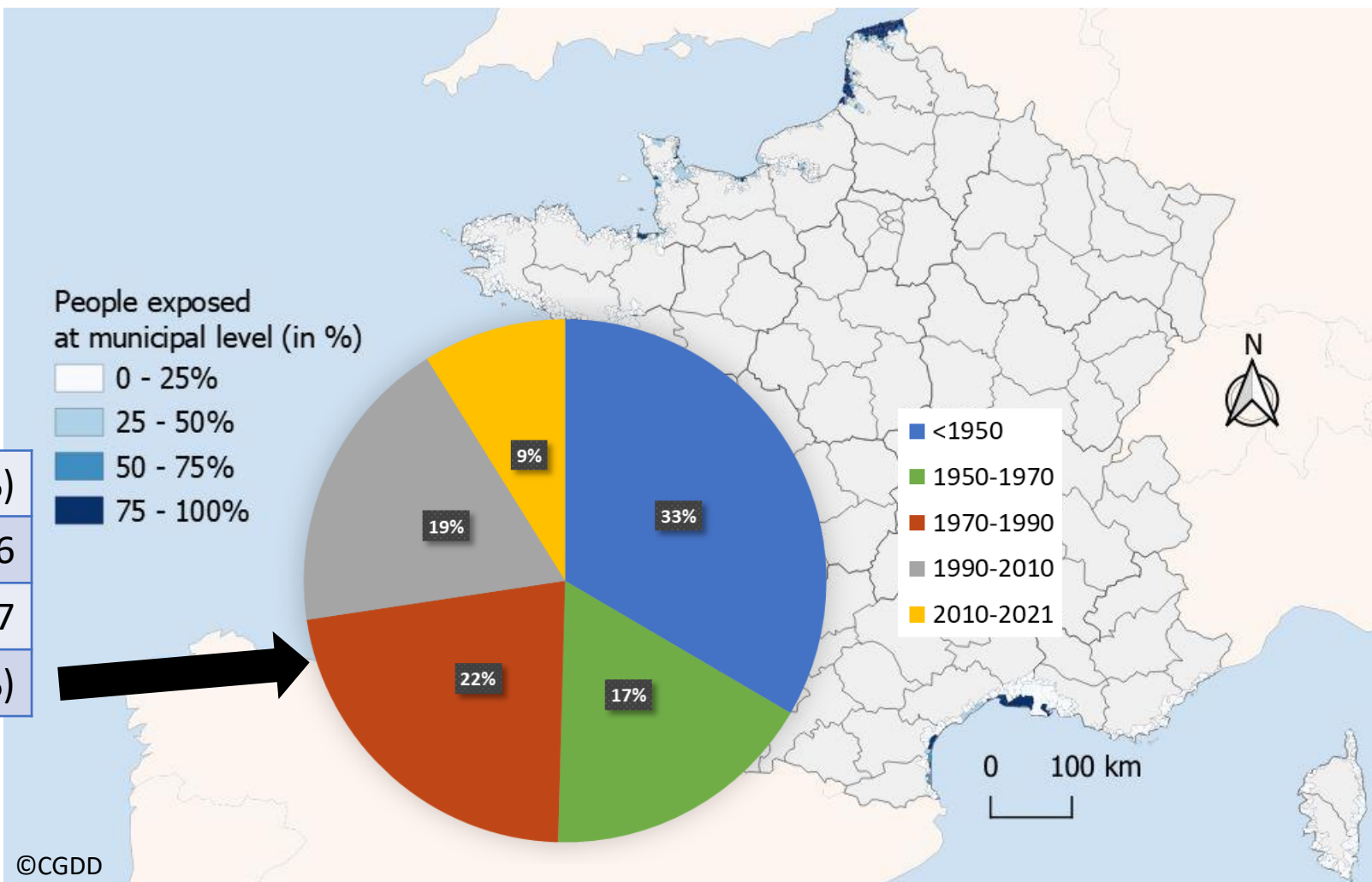
Total people exposed (in M)	1.45 (2.1%)
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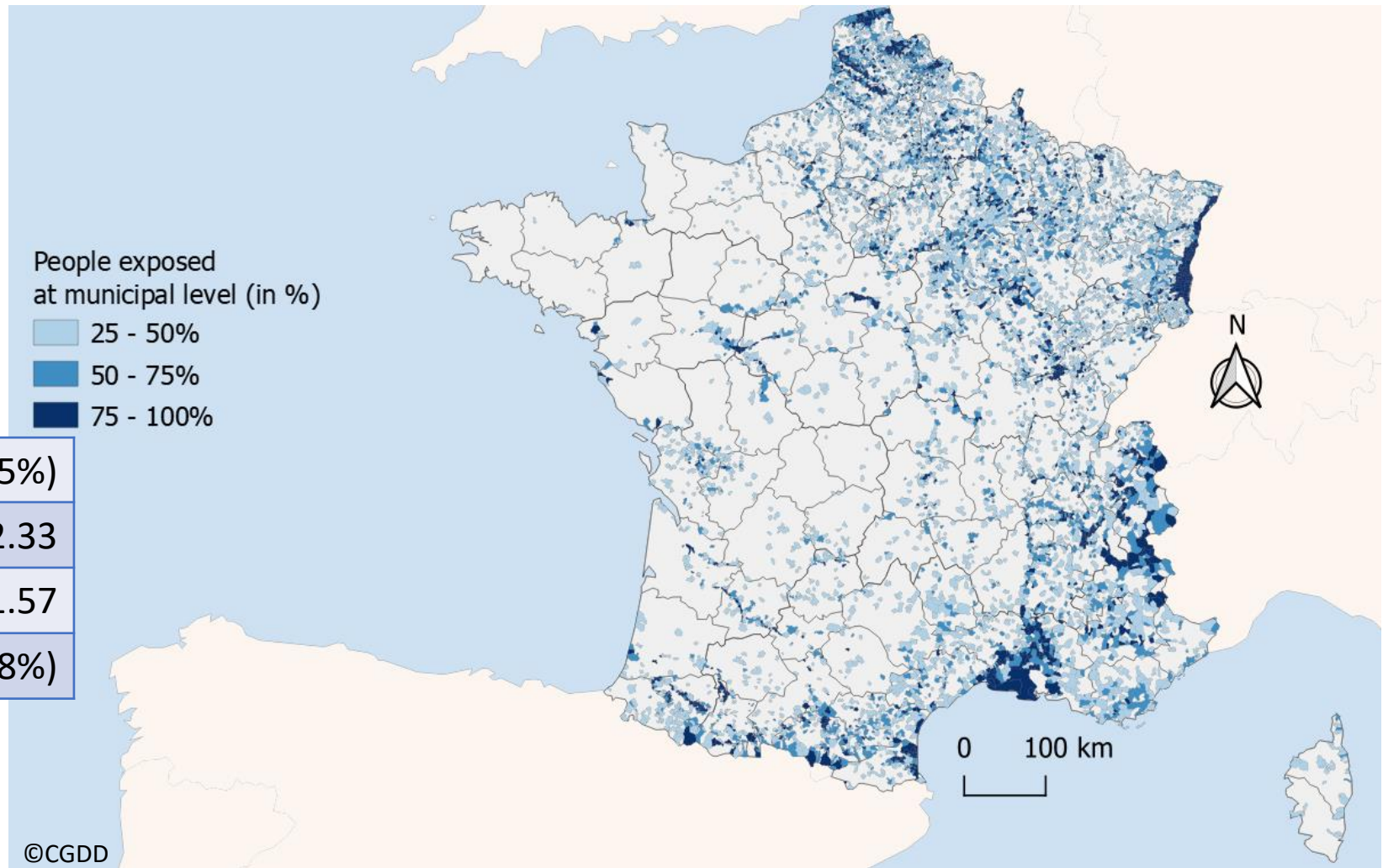
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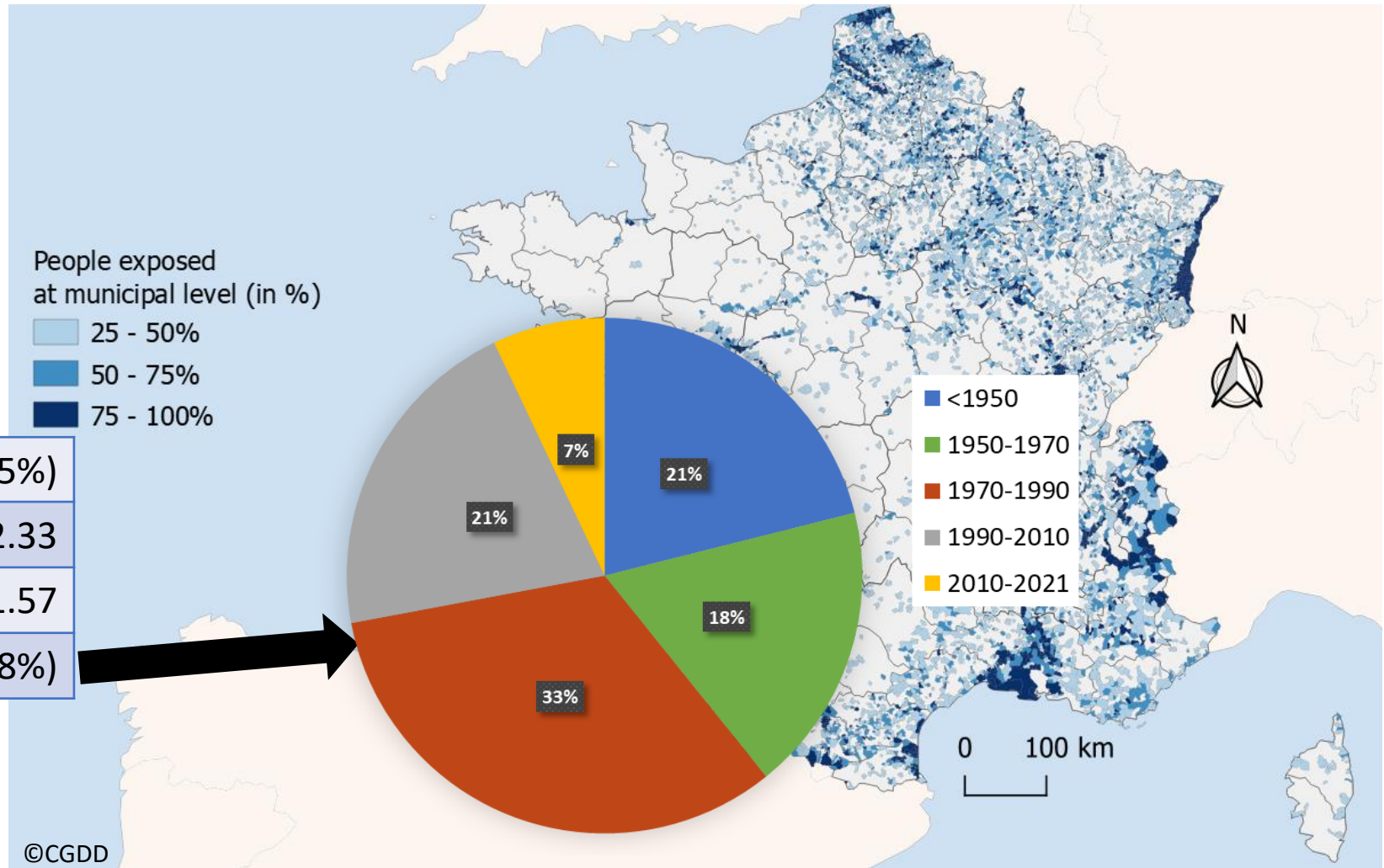
Total people exposed (in M)	17.23 (25%)
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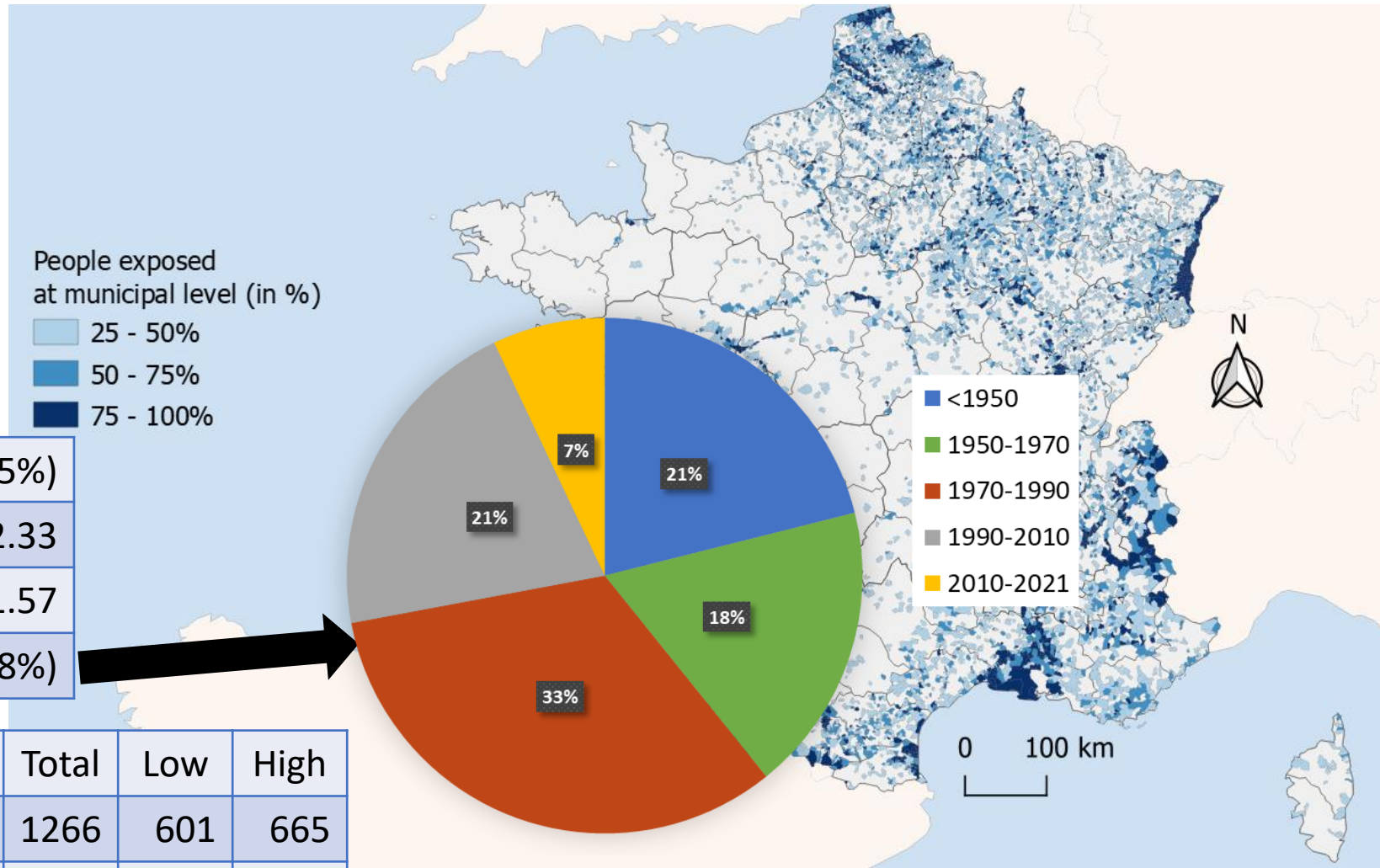


# River flooding

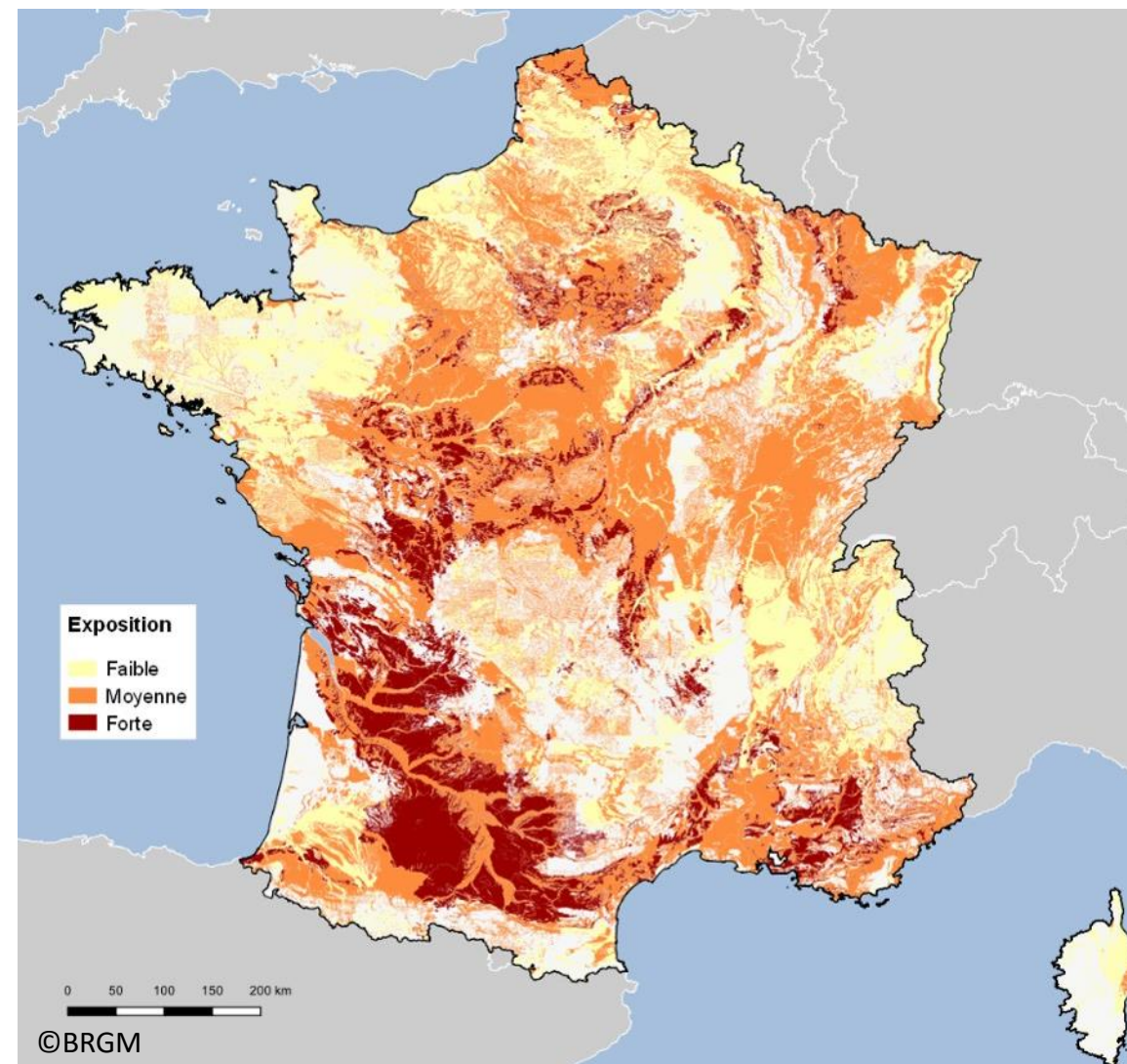
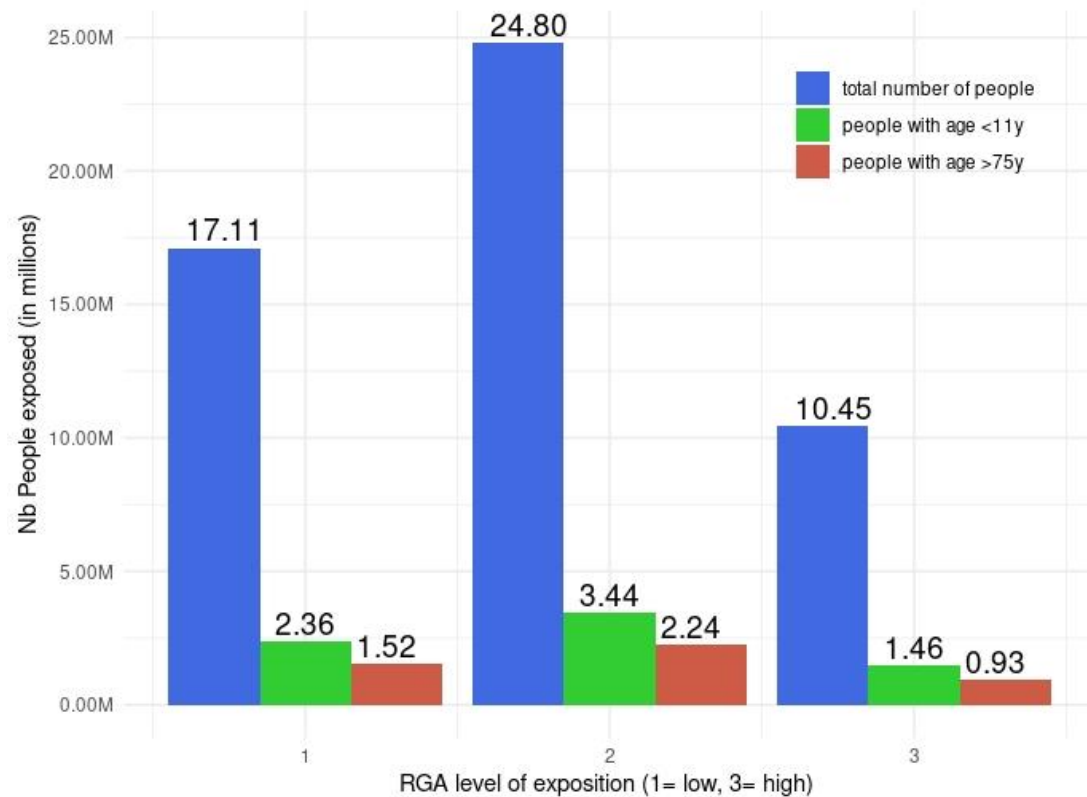
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	Total	Low	High
Seveso sites	1266	601	665
Seveso sites exposed to coastal flooding	108	39	69
Seveso sites exposed to river flooding	558	265	293

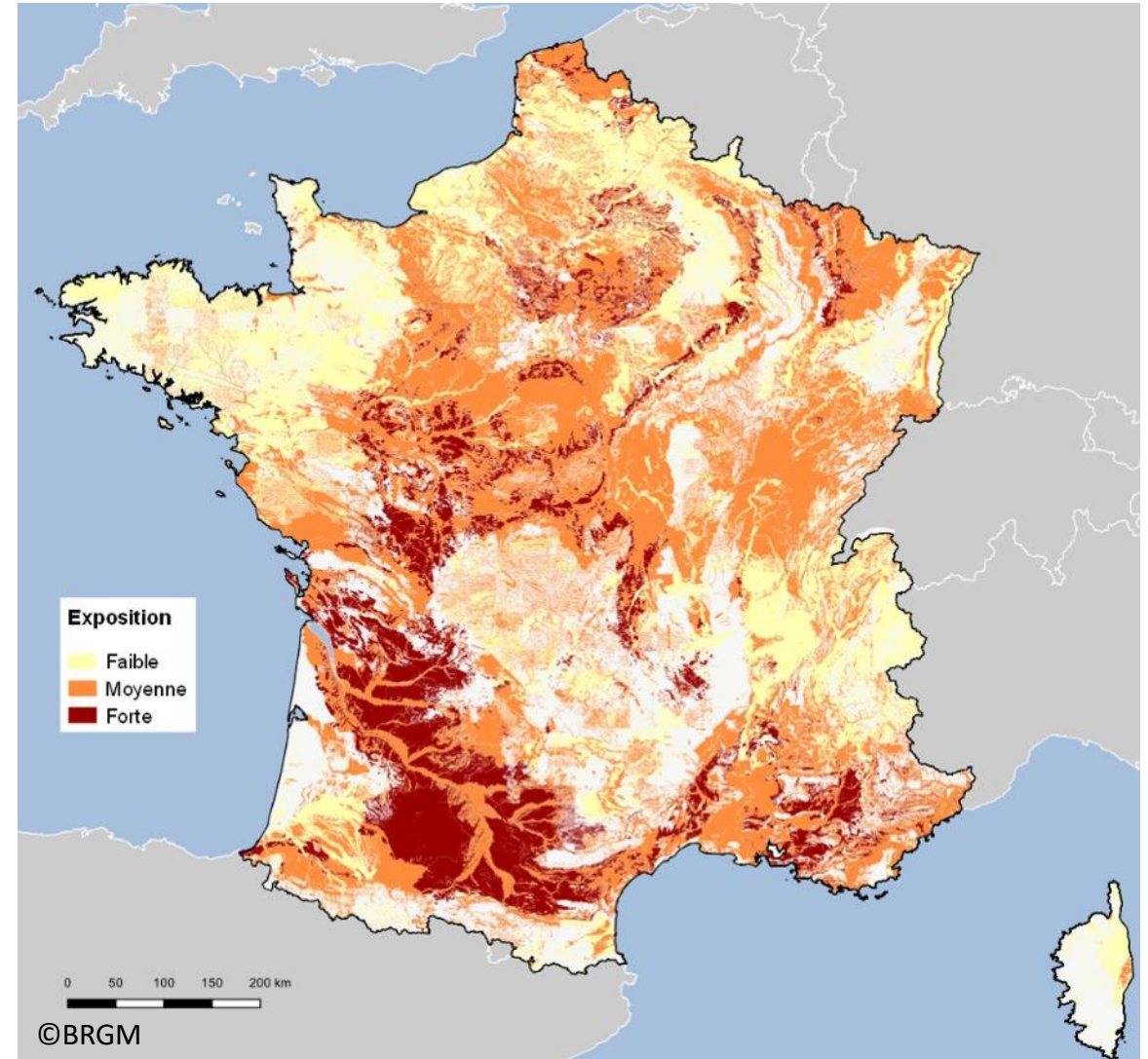
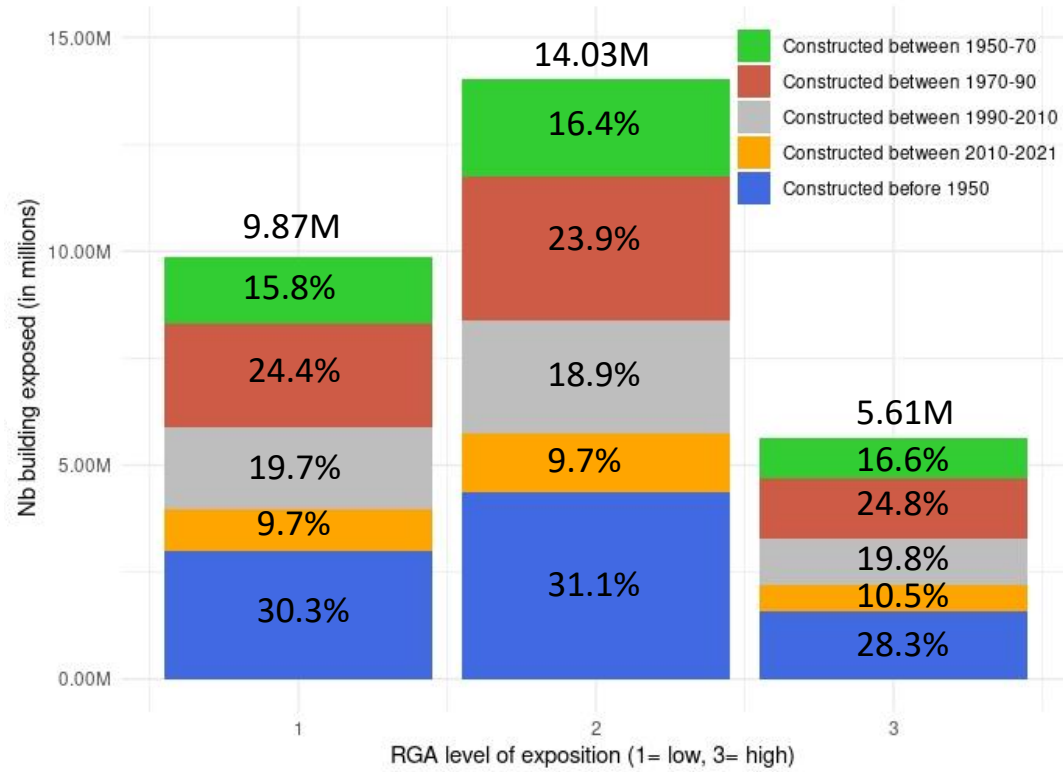


# Shrink-swell properties





# Shrink-swell properties



- Easy to update.
- Could help defining more accurately risk prevention plan at local scale, especially to help vulnerable people.
- Adapting construction policy to risk exposition (floor elevated houses, buried pillar foundation, ...)
- Allocate resources with better efficiency for demanding municipality.
- Could help insurances in their cost prevision.