

# Comparing the geographic concentration of inventive activities across the UK and France

---

Participant presentation

**Group 2:** Daniel Cuesta, Xinger Wei, Dima Yankova

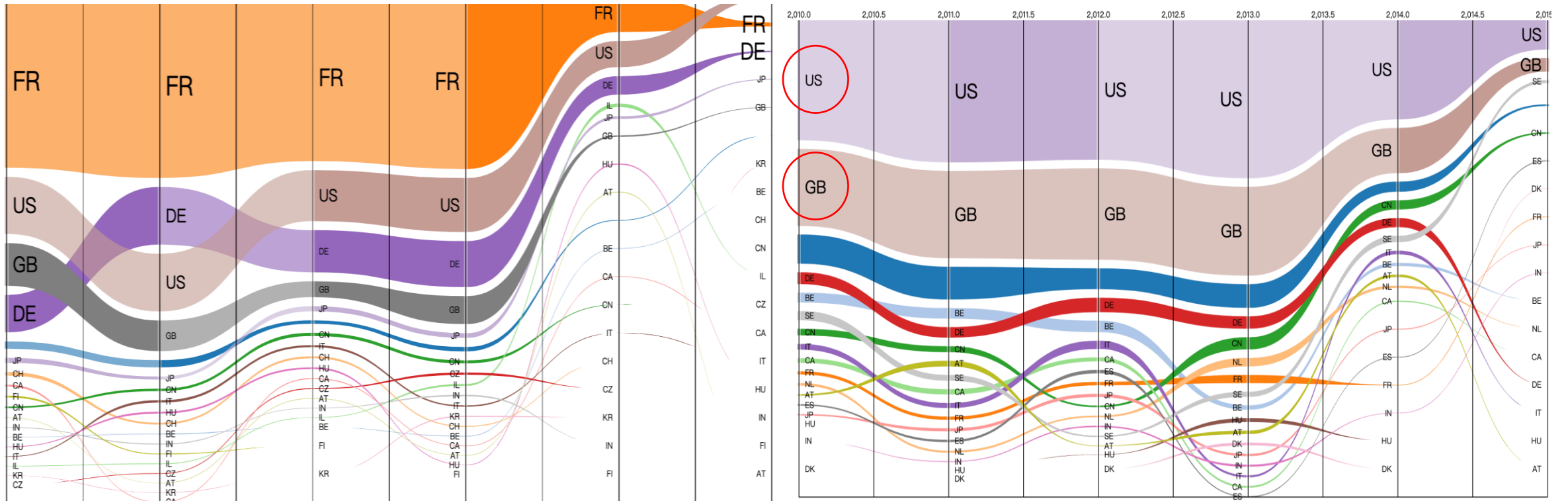
Date: 30.03.2022

1. Where are the inventors located?

---

# Statistical description of the inventive production

## Countries of inventors



FRANCE

UK

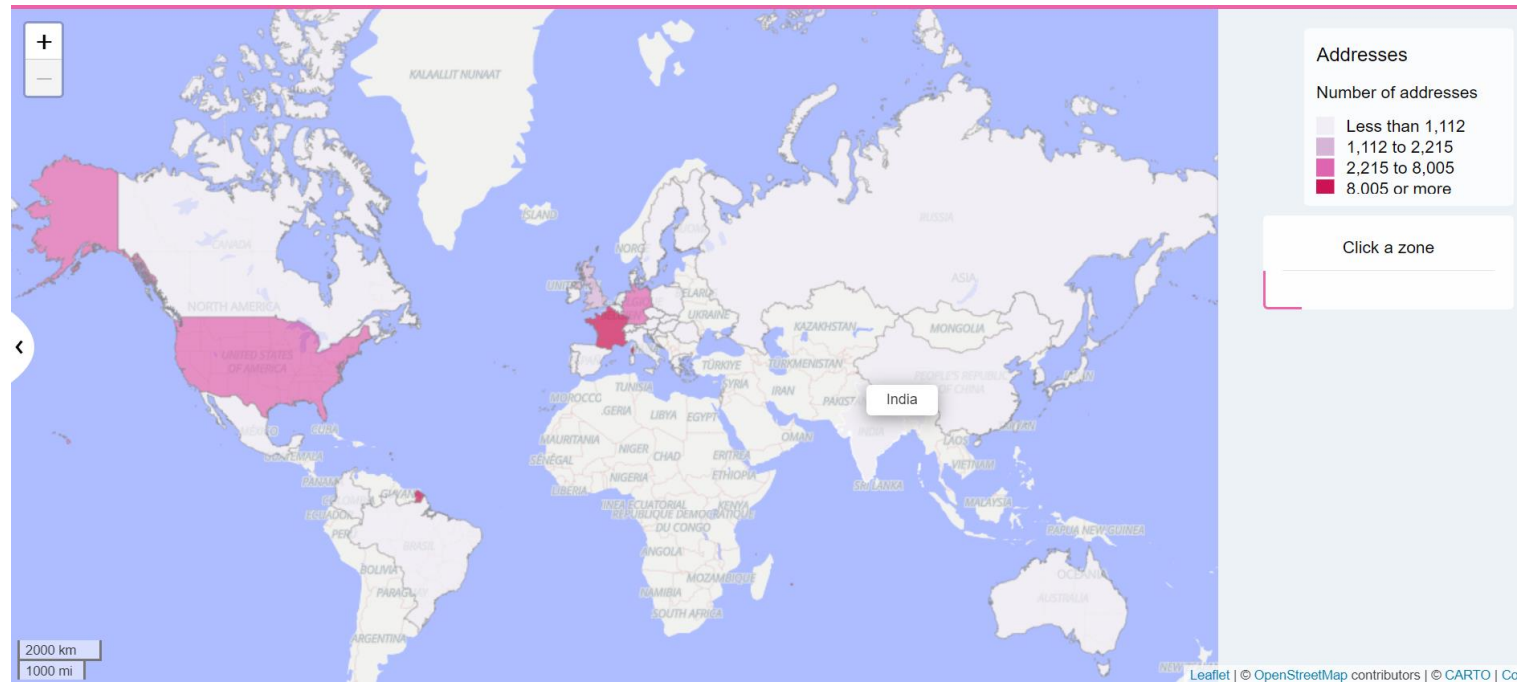
## Statistical description of the inventive production

Top Firms in the chemical and pharmaceutical fields in France and the UK

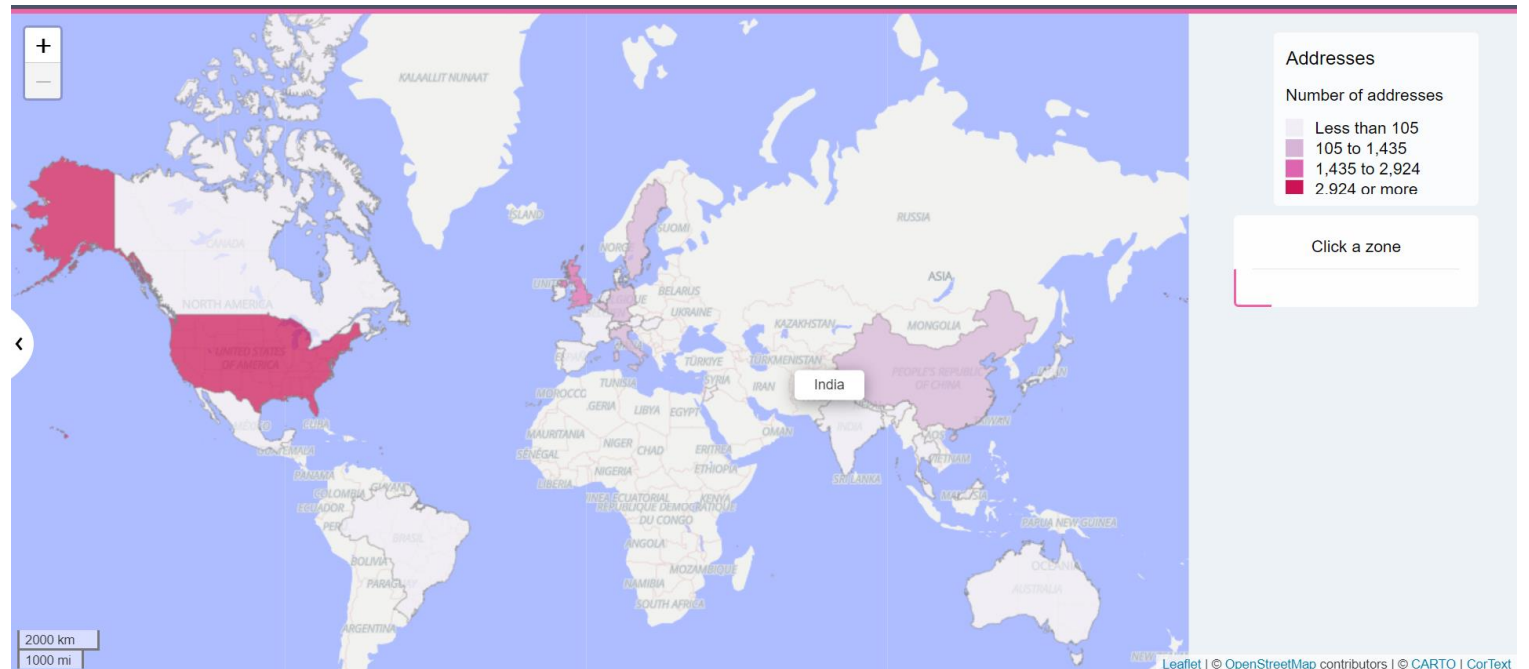
FRANCE		UK	
<b>Sanofi</b>	pharmaceutical industry company	<b>GSK</b>	pharmaceutical industry company
<b>L'Oréal</b>	personal care company	<b>AstraZeneca</b>	pharmaceutical and biotechnology company
<b>Arkema</b>	specialty chemicals and advanced materials company	<b>Reckitt benckiser</b>	consumer goods company
<b>Air Liquide</b>	industrial gases company	<b>Johnson Matthey</b>	specialty chemicals and sustainable technologies company

# Inventors by countries

France

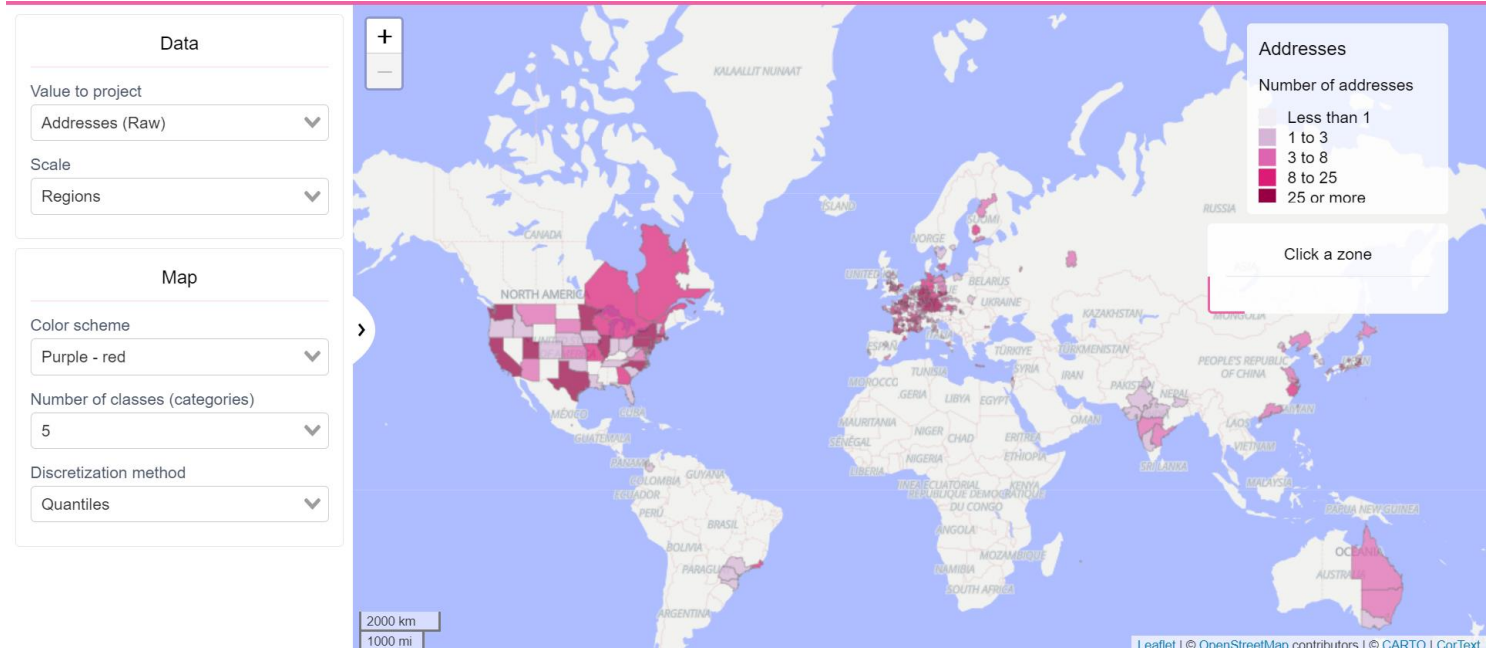


UK

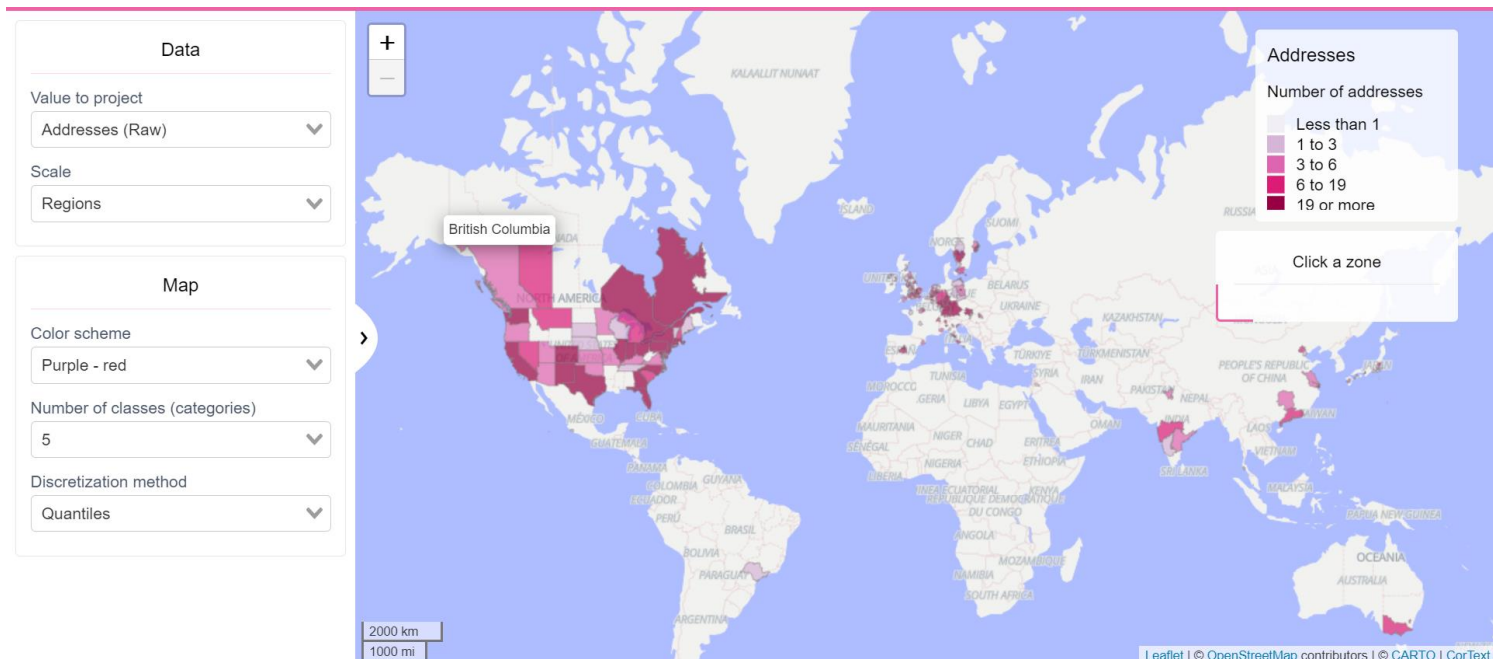


# Inventors by region

France



UK



# Inventors by urban-rural areas

## France

**Data**

Value to project  
Addresses (Raw) ▾

Scale  
Urban and rural areas ▾

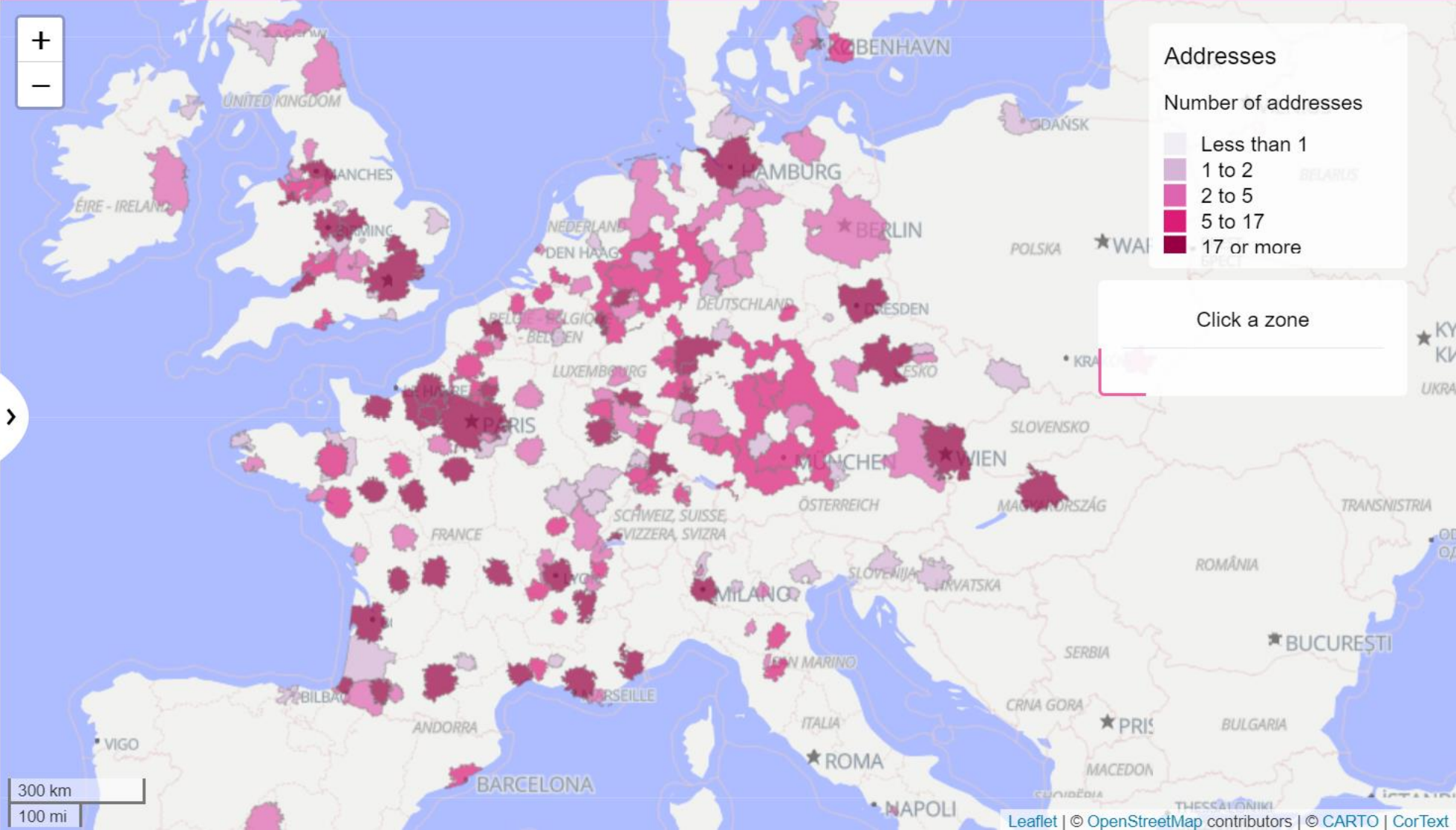
---

**Map**

Color scheme  
Purple - red ▾

Number of classes (categories)  
5 ▾

Discretization method  
Quantiles ▾



# Inventors by urban-rural areas

UK

**Data**

Value to project  
Addresses (Raw) ▾

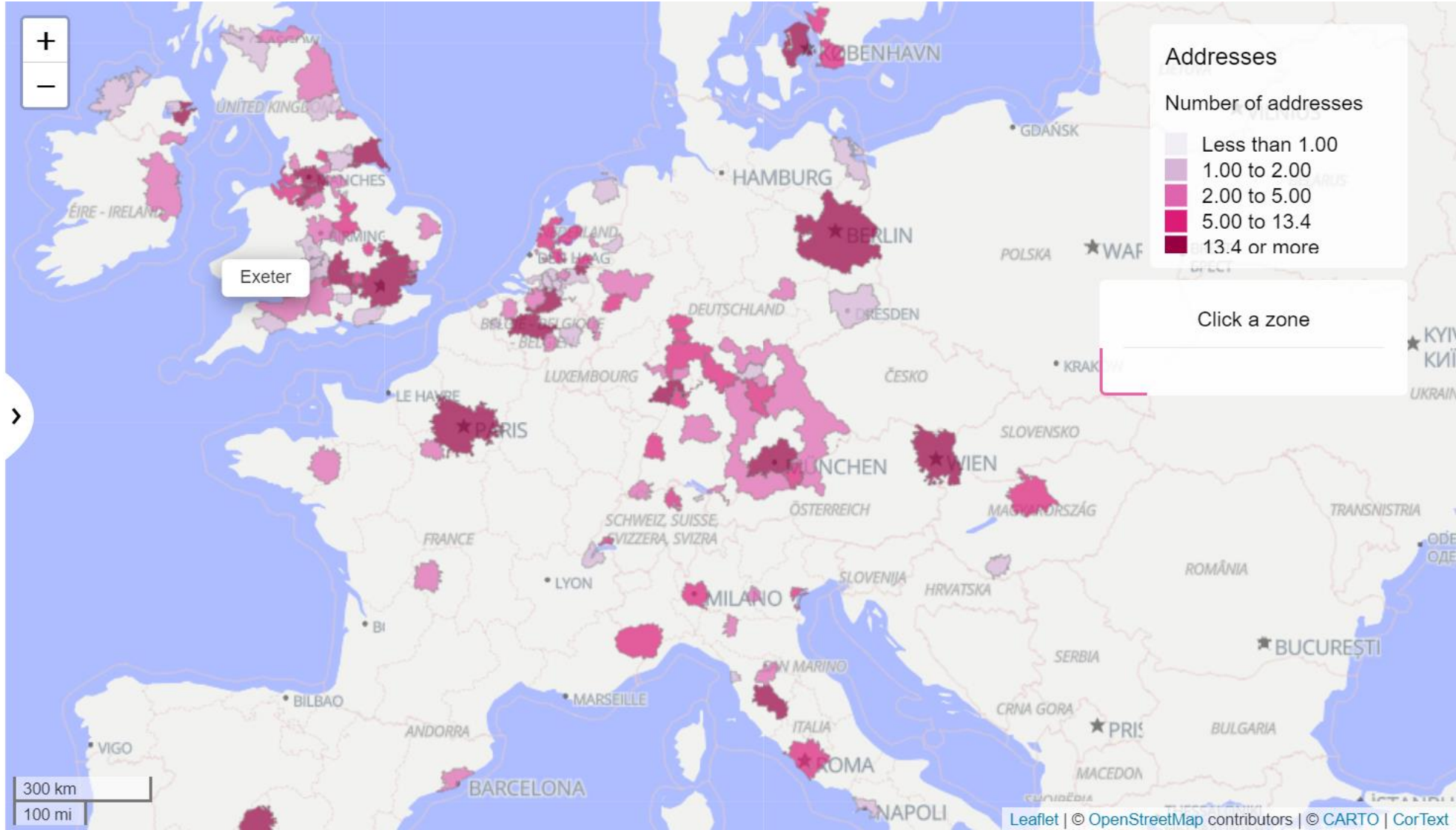
Scale  
Urban and rural areas ▾

**Map**

Color scheme  
Purple - red ▾

Number of classes (categories)  
5 ▾

Discretization method  
Quantiles ▾



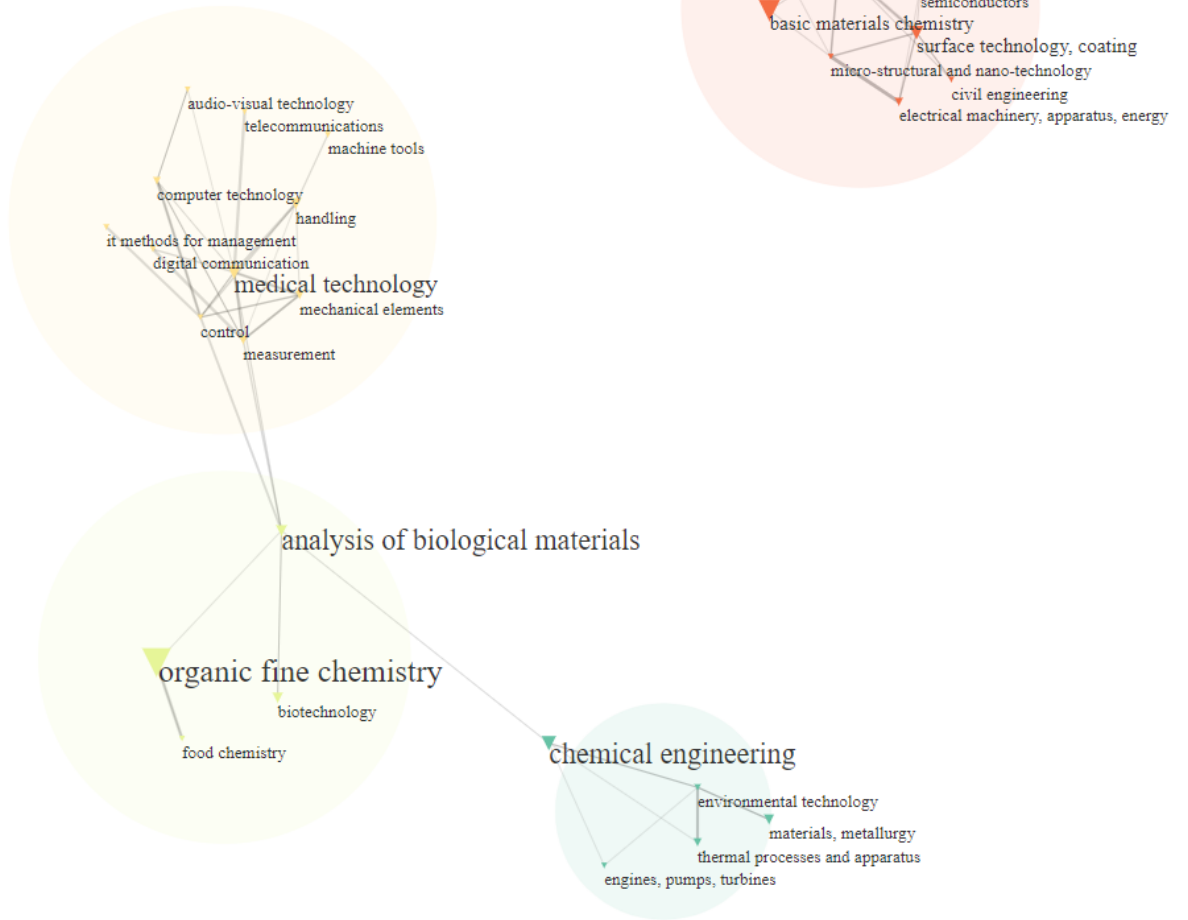


2. What are the countries specializing in?

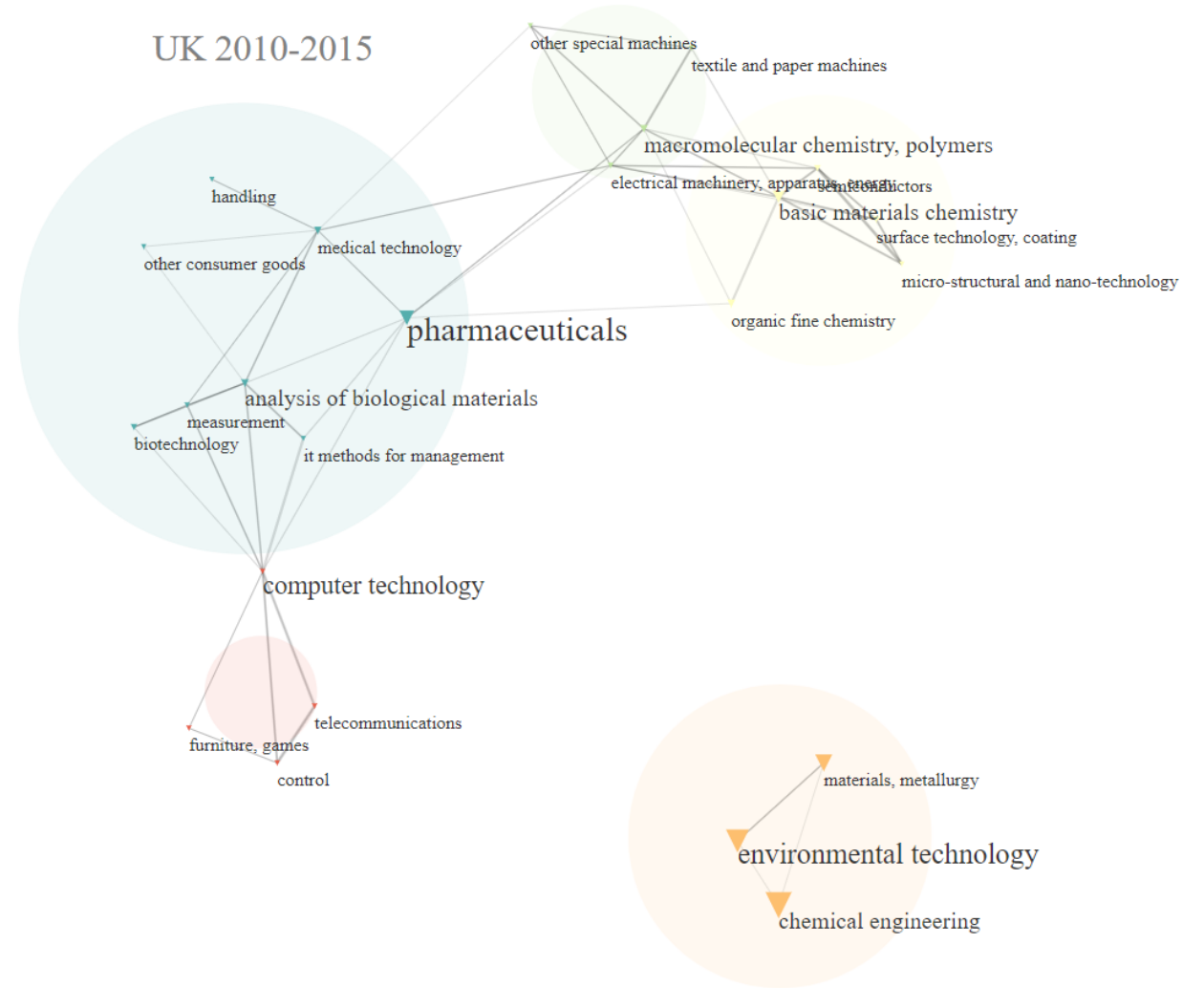
---

# Network comparison: technological fields

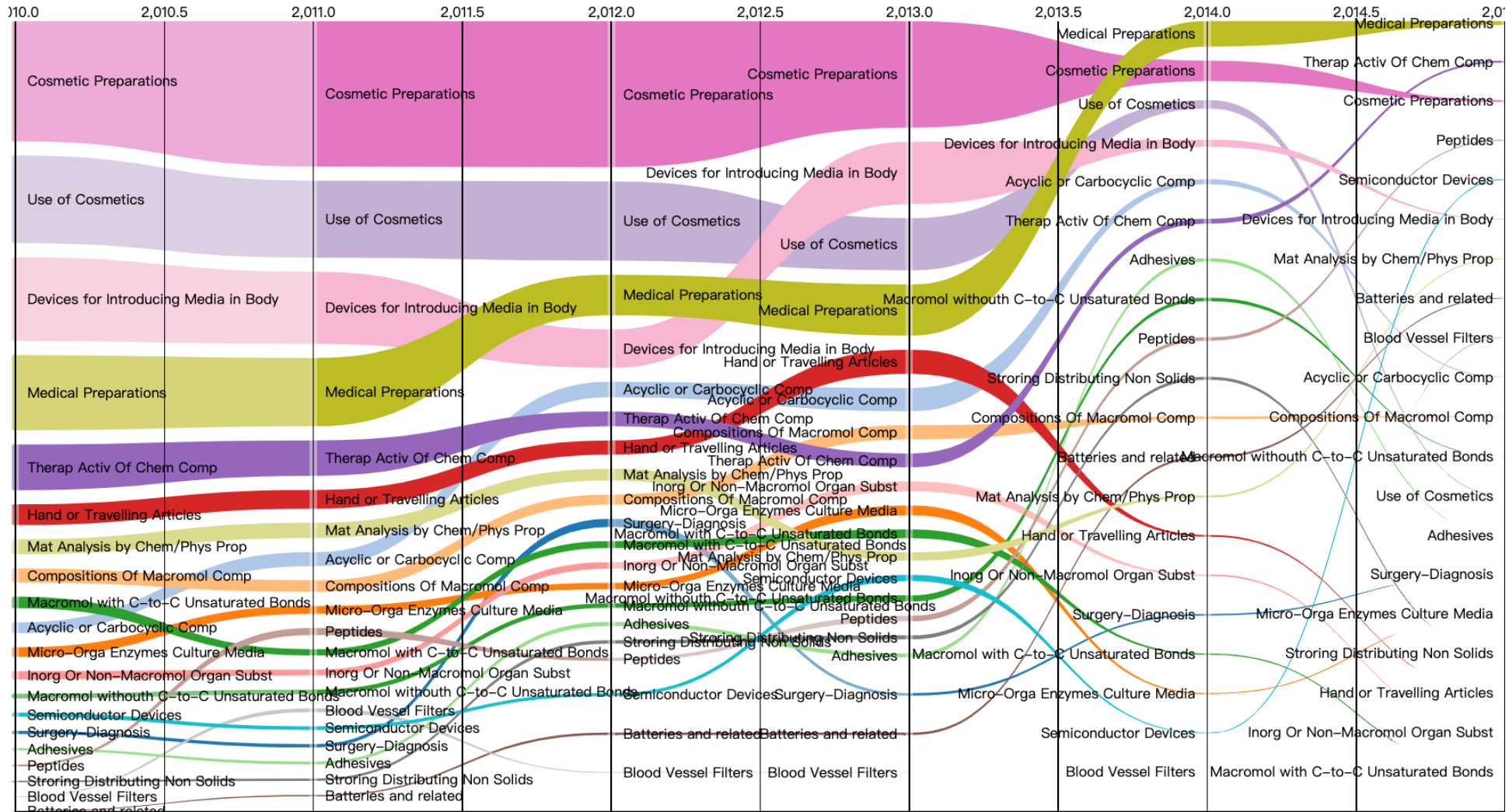
FR - 2010-2015



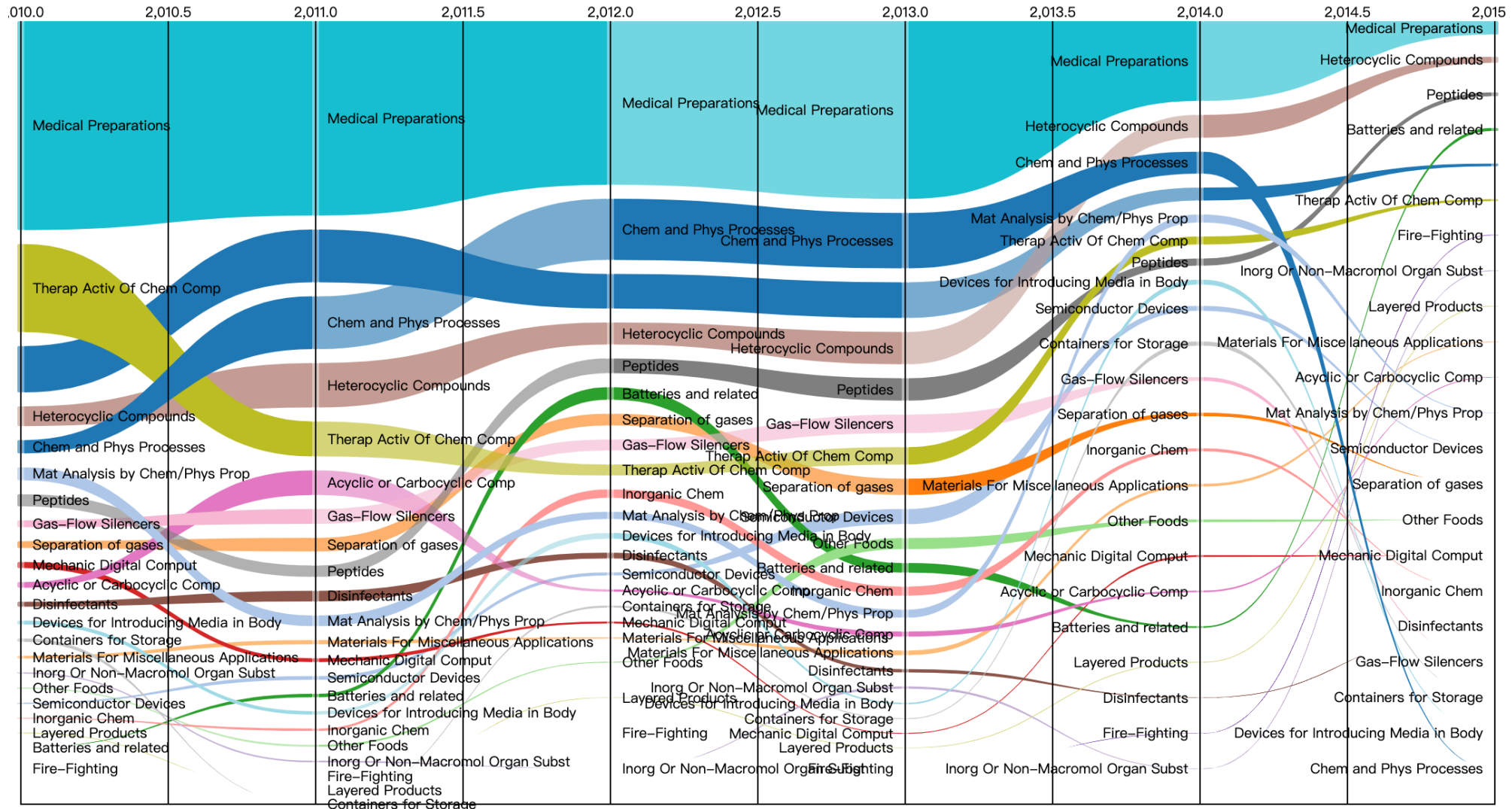
UK 2010-2015



# Technological subfields (FRANCE)

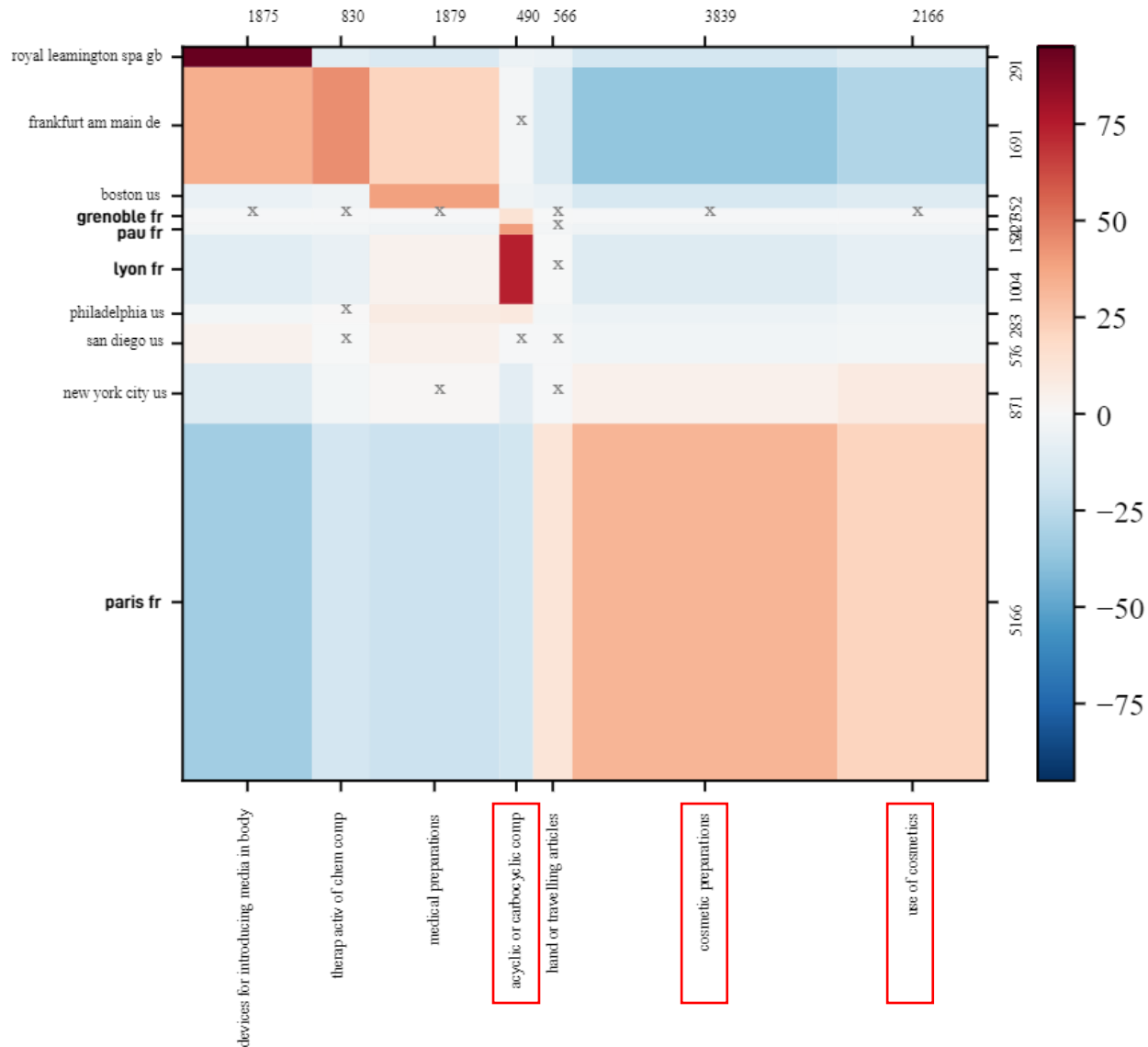


# Technological subfields (UK)

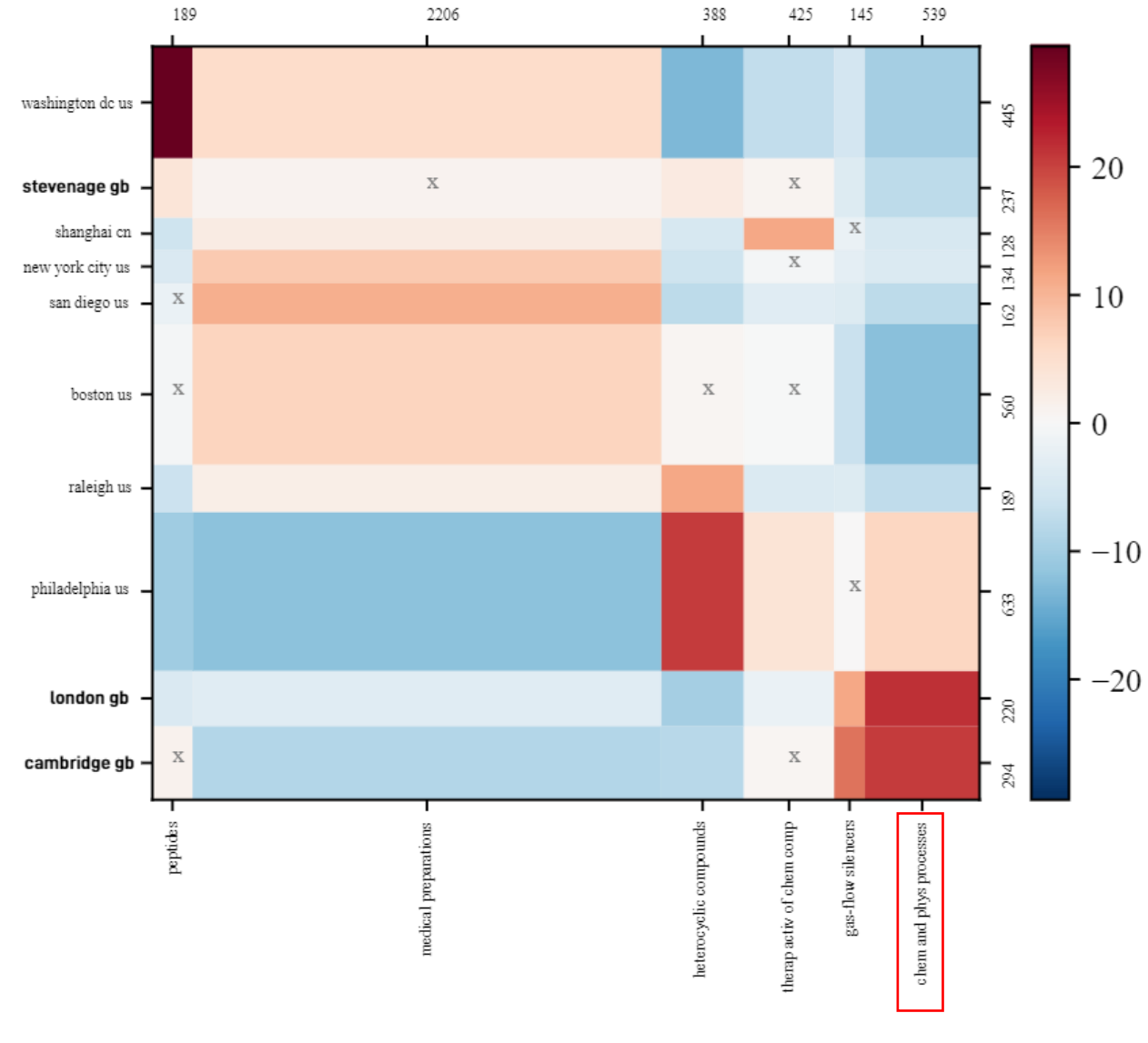


# Technological specialisation of urban areas

## Technological specialisation of top 10 urban areas (FR)




## Technological specialisation of the top 10 urban areas (UK)



### 3. Concluding remarks

---

- 
1. United States seems to be a key partner in the inventive production of the UK.
  2. France is more engaged with other European countries, while the UK maintains innovative links primarily with the US.
  3. A priori, France appears more specialized in the cosmetics sectors, while the UK's innovative activity is concentrated on the pharmaceutical/medical sectors.