

Geographical resolution of LCI data on electricity production

LCM Luxemburg

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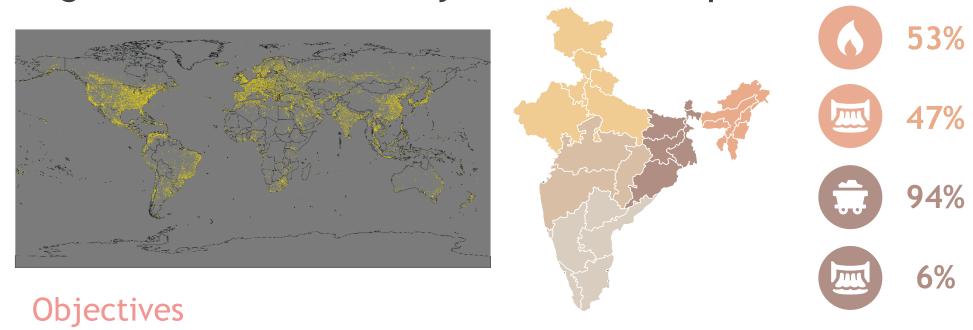








Large countries can show major differences in production mixes



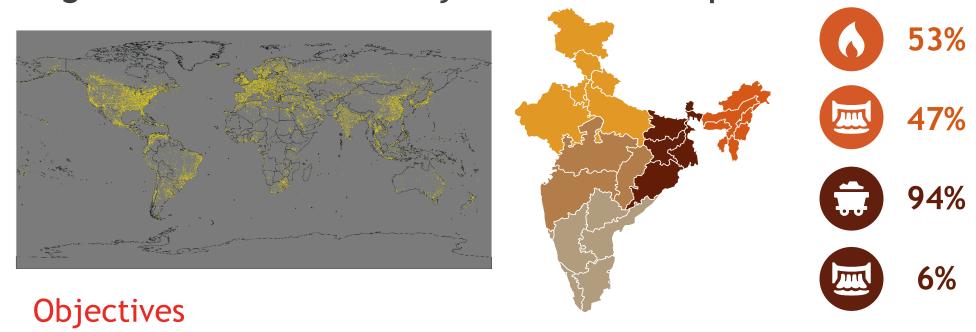
• Is a country level resolution too coarse for electricity?

How do environmental impacts change with resolution?





Large countries can show major differences in production mixes

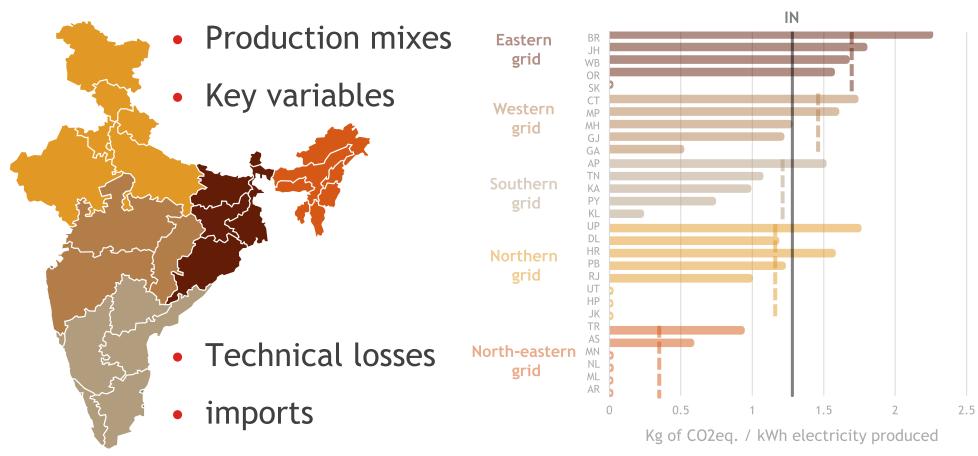


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Material, methods and results



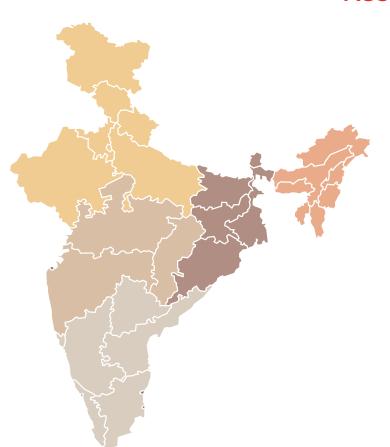
Materials and methods:

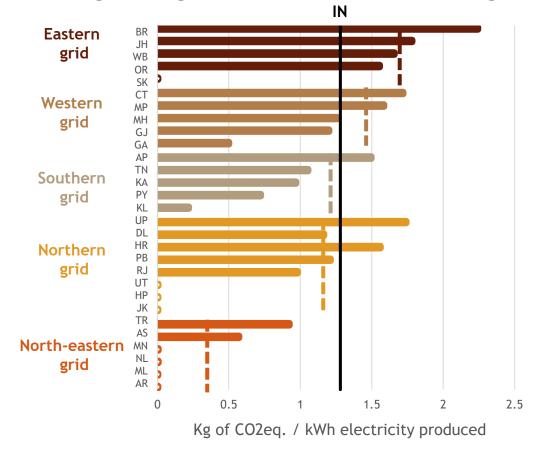






Results: average of grids ~ national average

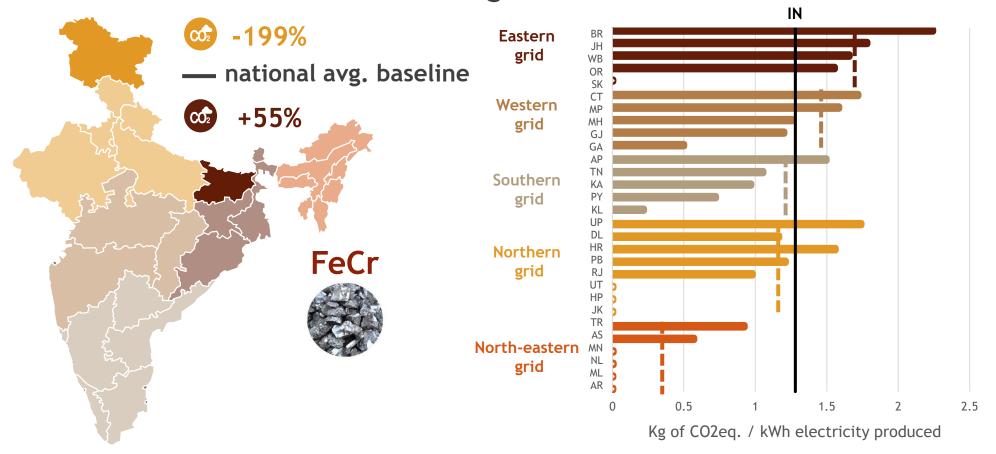








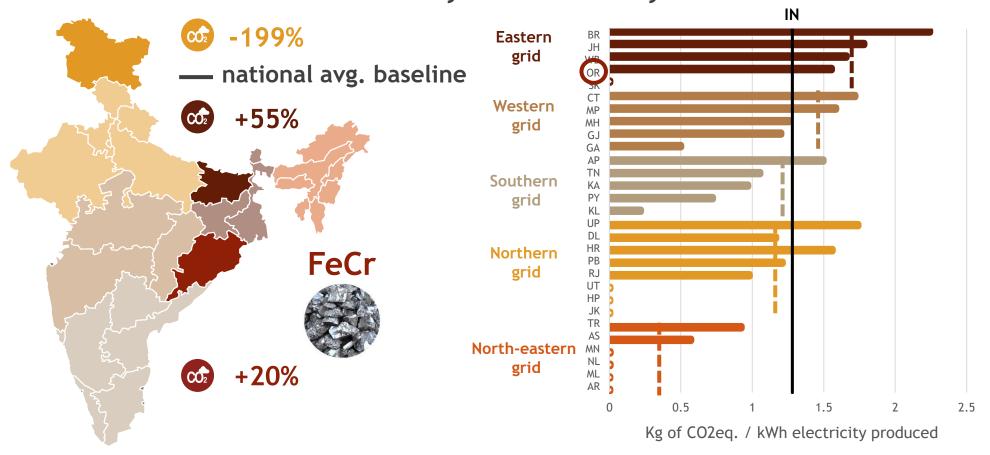
Results: dramatic difference amongst states







Results: ferrochromium in theory and in reality



Conclusions

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- Importance of subdividing selected large states
- Further studies to identify who's next
- Further studies to identify level of resolution and key

Thank you:

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