



Produktivität durch Vielfalt?

Forschungsansätze von Baumpflanzungen
bis zu nationalen Waldinventuren

Stephan Kambach

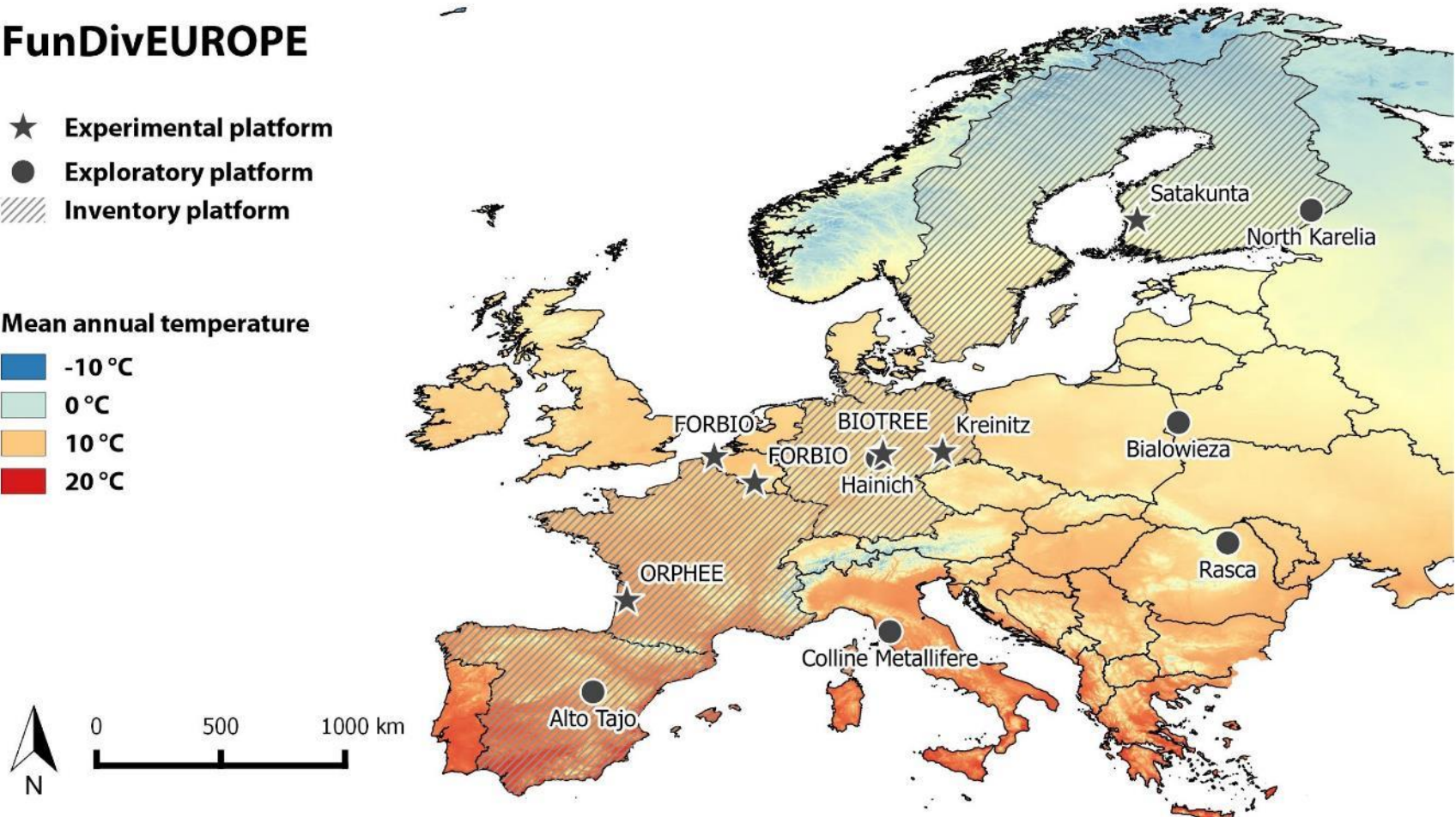
Hainich-Tagung 2016

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- ★ Experimental platform
- Exploratory platform
- Inventory platform

Mean annual temperature

- 10 °C
- 0 °C
- 10 °C
- 20 °C





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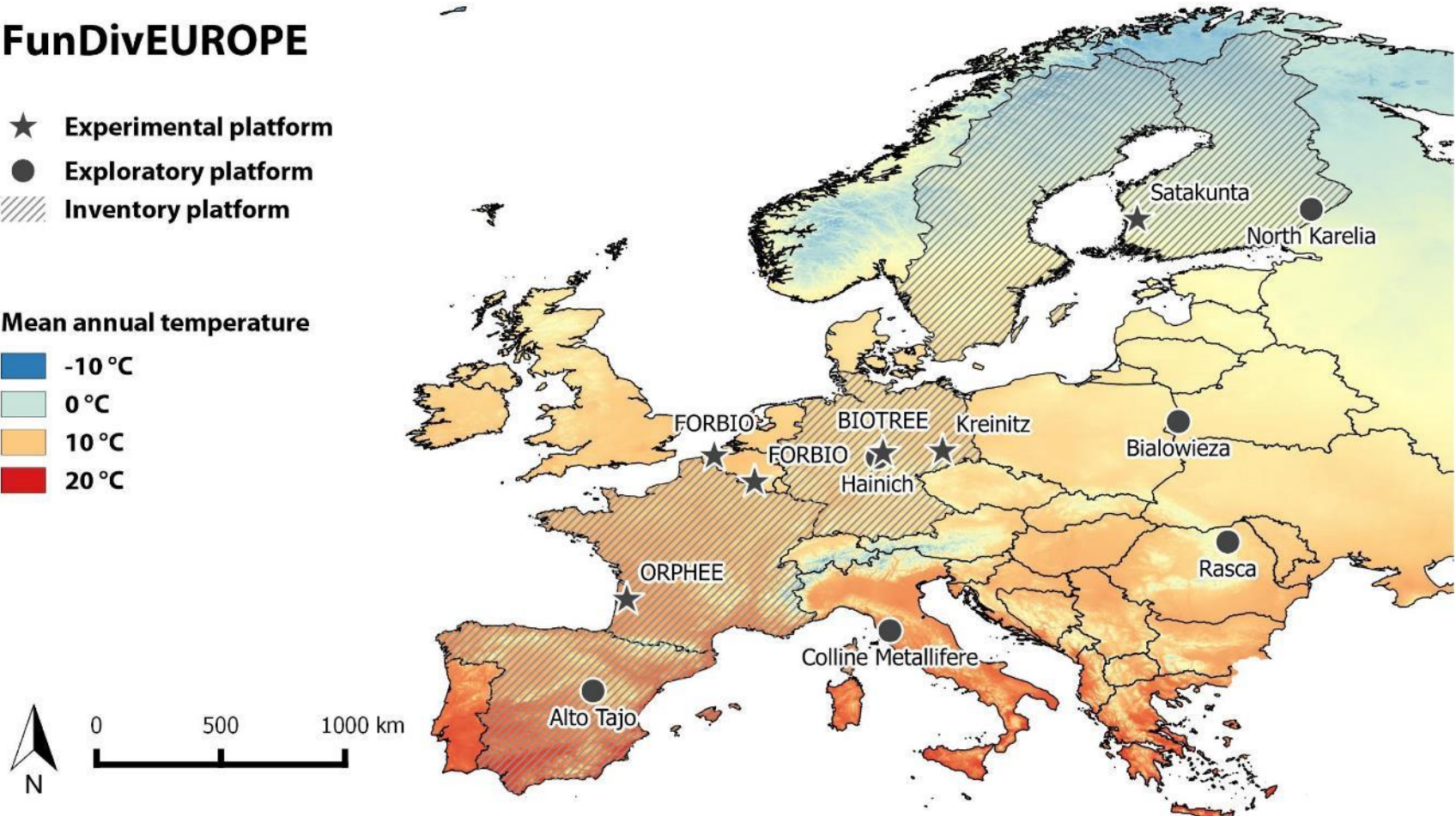


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Mean annual temperature

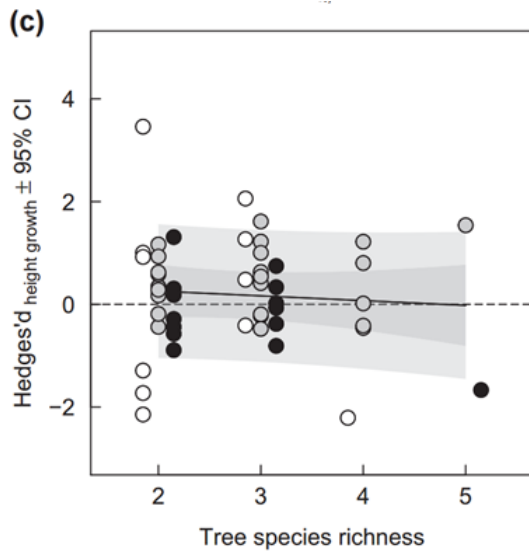
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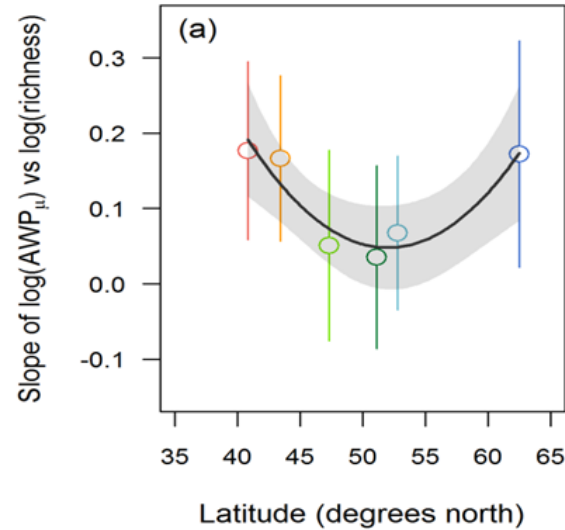


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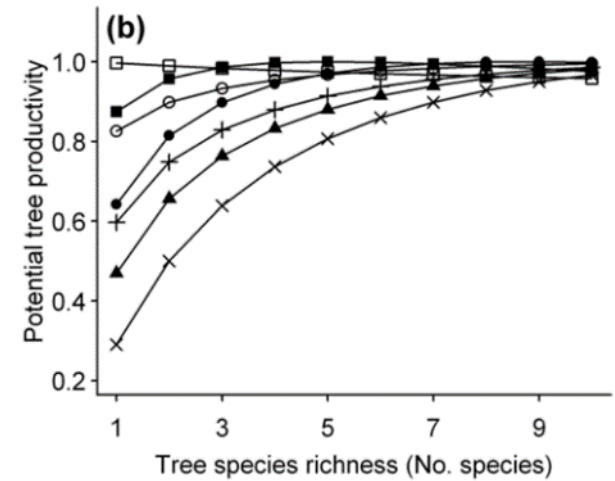
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Haase et al. (2015),
OIKOS



Jucker et al. (2014),
ECOL LETT

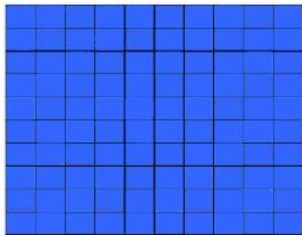
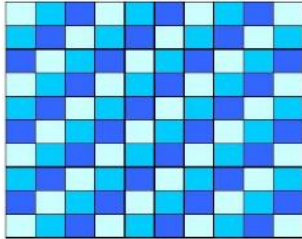


Ruiz-Benito et al. (2014),
GLOBAL ECOL BIOGEOGR



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Zunahme Basalfläche in Mischung

Zunahme Basalfläche in Monokultur



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Response Ratio
Basal Area



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Inventories



Exploratories



Experiments



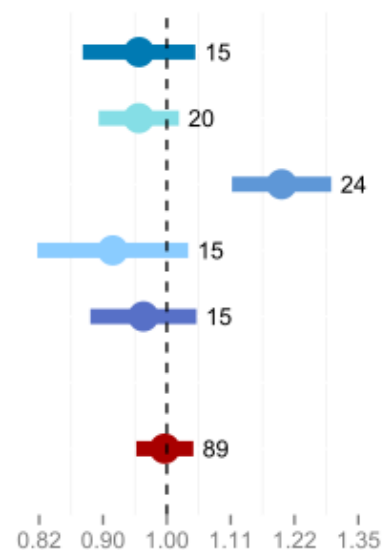
Grand mean



Response Ratio
Basal Area

Experiment Site

- expsakunkta
- exporphee
- expkreinitz
- expforbio.zed
- expforbio.ged
- grand mean



Response Ratio
Basal Area



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Inventories



Exploratories



Experiments



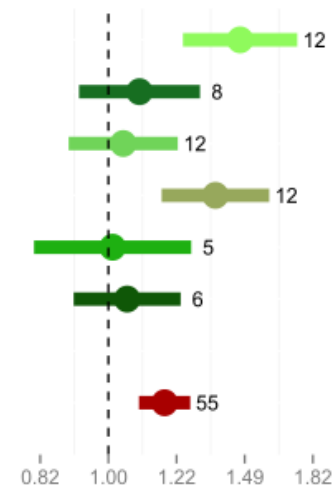
Grand mean



Response Ratio
Basal Area

Forest Site

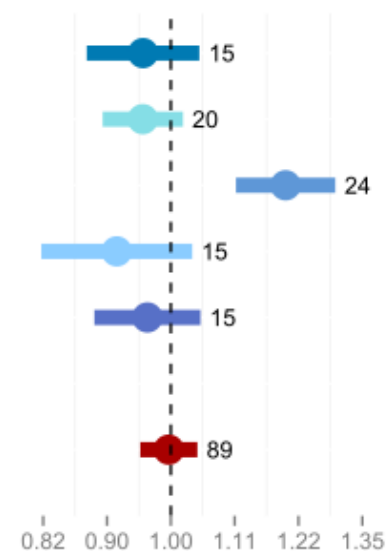
- expSpain
- expRomania
- expPoland
- exptItaly
- expGermany
- expFinland
- grand mean



Response Ratio
Basal Area

Experiment Site

- expsatakunta
- exporphee
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- expforbio.ged
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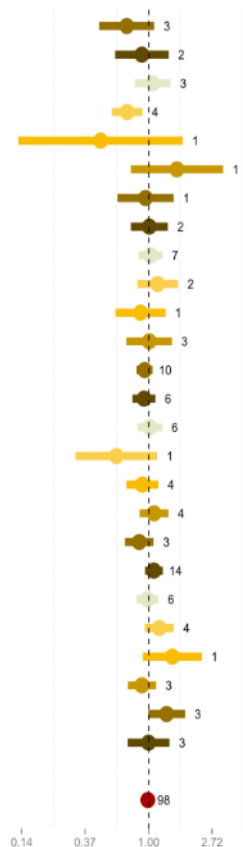
Response Ratio
Basal Area



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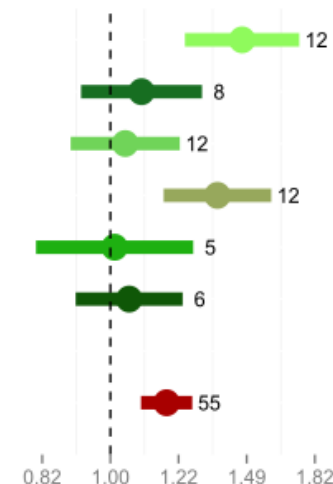
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- Forest type per NFI
- expSW swamp
 - expSW non_riverine
 - expSW hemiboreal
 - expSW boreal
 - expSW beech
 - expSW acidophilous
 - expFI non_riverine
 - expFI boreal
 - expES thermophilous_deciduous
 - expES non_riverine
 - expES mountain_beech
 - expES mesophytic_deciduous
 - expES mediterranean_coniferous
 - expES introduced
 - expES broadleaved_evergreen
 - expES beech
 - expES alpine
 - expDE non_riverine
 - expDE mountain_beech
 - expDE mesophytic_deciduous
 - expDE introduced
 - expDE hemiboreal
 - expDE floodplain
 - expDE beech
 - expDE alpine
 - expDE acidophilous
 - grand mean



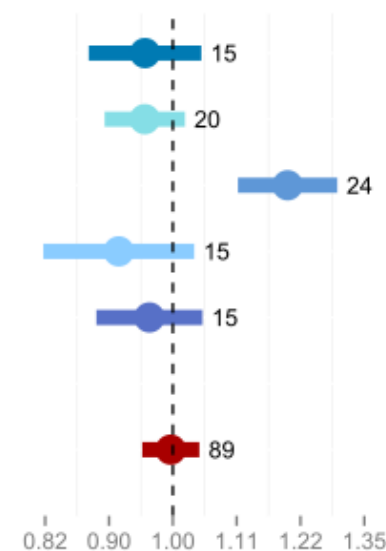
Response Ratio
Basal Area

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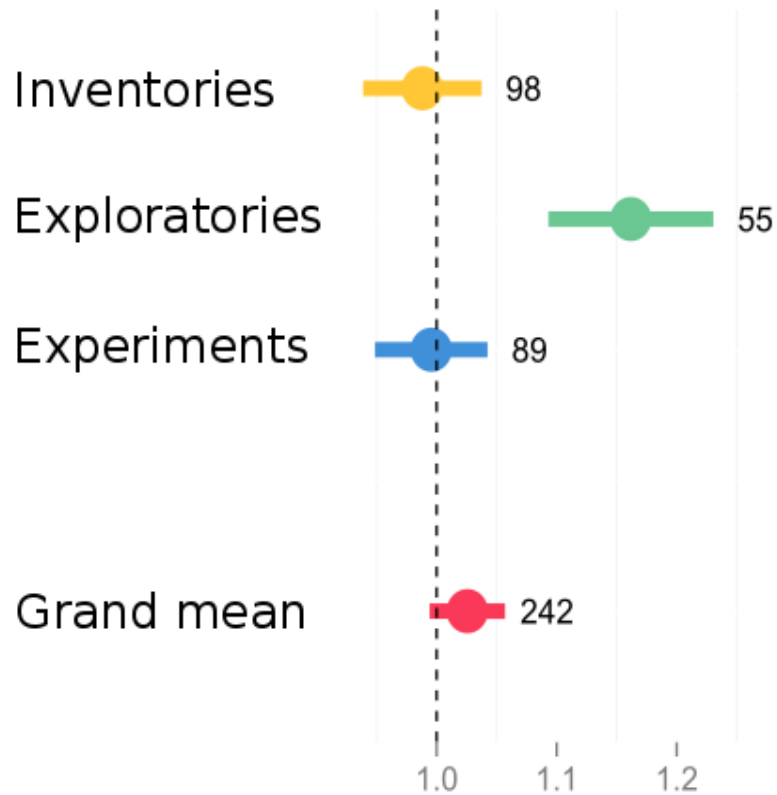


Response Ratio
Basal Area



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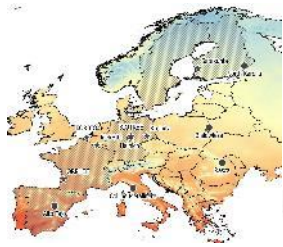
Vielen Dank für ihre Aufmerksamkeit



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