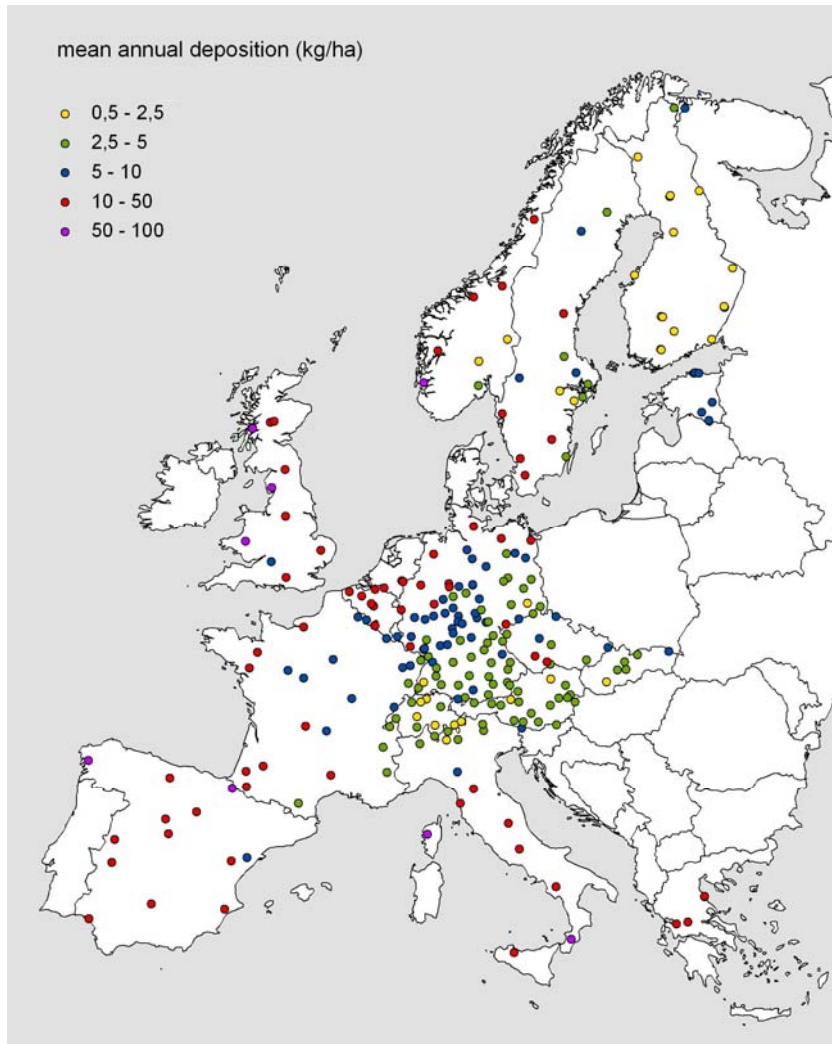
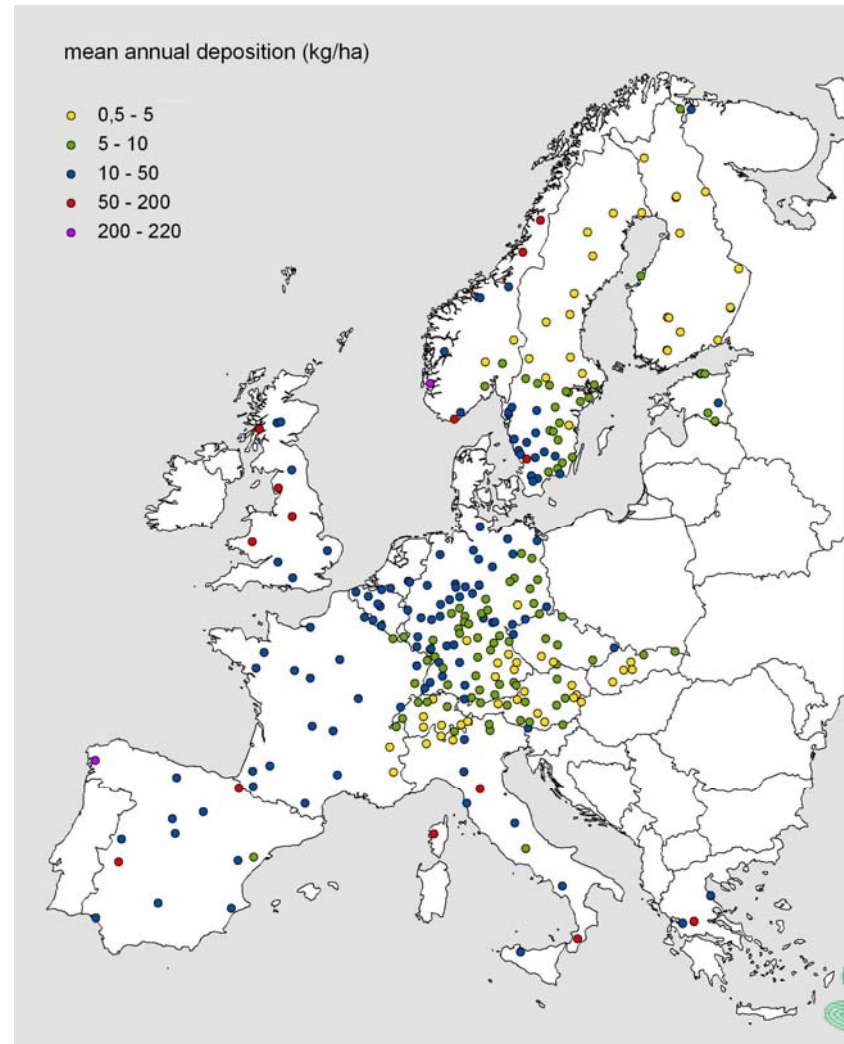


Chloride deposition at ICP Forests Level II monitoring plots

Nicholas Clarke, Zora Lachmanová



Bulk deposition, 2003



Throughfall, 2003



- Cl deposition is largely (but not always) strongly influenced by sea salts. Other sources include combustion, de-icing salts
- Deposition of organic Cl often low
- Cl is not a purely conservative element, as biogeochemical cycling occurs, especially in the soil
- Cl⁻ deposition can be used to estimate the deposition of sea salt sulphate, thus improving the estimation of anthropogenic sulphate
- Sea salt inputs in storms can cause episodic, but normally short-term, acidification



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AREA 1 • TERRESTRIAL ECOLOGY AND BIOLOGY • REVIEW ARTICLE

The formation and fate of chlorinated organic substances in temperate and boreal forest soils

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