

Juniper Tyree  
doktorand  
Centret för atmosfärvetenskaper (INAR)  
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## Forskningsintressen

Protecting our planet and the incredible species we share it with are very close to my heart. I am, therefore, very passionate about utilising computer science to solve these global problems.

## Kvalifikationer

Theoretical and Computational Methods, Master of Science, Prudent Response Surface Models: Exploring a Framework for Approximating Simulations with Confidence and Certainty, University of Helsinki

1 aug. 2021 → 12 maj 2023

Tilldelningsdatum: 12 maj 2023

Computing, Master of Engineering, Communication-free and Parallel Simulation of Neutral Biodiversity Models, Imperial College London

30 sep. 2017 → 25 juni 2021

Tilldelningsdatum: 1 aug. 2021

## Anställning

### **doktorand**

Centret för atmosfärvetenskaper (INAR)

Helsingfors universitet

Finland

1 maj 2023 → present

### **Doktorand, Doctoral Programme in Atmospheric Sciences**

Helsingfors universitet

Finland

4 sep. 2023 → present

### **Master Trainee**

EMBL European Bioinformatics Institute (EBI)

Storbritannien

1 apr. 2020 → 1 sep. 2020

### **Undergraduate Teaching Assistant**

Imperial College London

London, Storbritannien

1 okt. 2019 → 1 mars 2020

### **Undergraduate Research Opportunity**

Imperial College London

London, Storbritannien

1 aug. 2019 → 1 sep. 2019

## Projekt

## ESIWACE3

Järvinen, H. (Projektledare) & Tyree, J. (deltagare)  
European Commission Joint Research Centre  
01/01/2023 → 31/12/2026

## Publikationer

### iplot: Web-First Visualisation Platform for Multidimensional Data

Tanaka, A., Tyree, J., Björklund, A., Mäkelä, J. S. & Puolamäki, K., 2023, *Machine Learning and Knowledge Discovery in Databases: Applied Data Science and Demo Track: European Conference, ECML PKDD 2023, Turin, Italy, September 18–22, 2023, Proceedings, Part VII*. Cham: Springer, s. 335-339 5 s. (Lecture Notes in Computer Science; vol. 14175, nr. 1).

A decoupled, modular and scriptable architecture for tools to curate data platforms

Tyree, J., Hermjakob, H. & Llinares, M. B., okt. 2021, *I: Bioinformatics*. 37, 20, s. 3693–3694 2 s.

Communication-free and Parallel Simulation of Neutral Biodiversity Models

Tyree, J., 12 aug. 2021.

## Theses

Tyree, J. (2023) *Prudent Response Surface Models: Exploring a Framework for Approximating Simulations with Confidence and Certainty*. Master's Thesis. Available from: <http://urn.fi/URN:NBN:fi:hulib-202305151941>.

Tyree, J. (2021) *Communication-free and Parallel Simulation of Neutral Biodiversity Models*. Master's Thesis. Available from: <https://doi.org/10.48550/arXiv.2108.05815>.

## Datauppsättning

### The SOSAA Trajectories Dataset

Tyree, J. (Skapad av) & Clusius, P. S. (Medverkande), Zenodo, 26 apr. 2023

DOI: 10.5281/zenodo.7867138, <https://github.com/juntyr/sosaa-trajectories-dataset>