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## Kort præsentation

Stephanie Horion is associate professor at the Dept. of Geosciences and Natural Resource Management (KU, Denmark), and recipient of the Villum Young Investigator 2021 (DRYTIP - Drought induced tipping point in ecosystem functioning, <https://ign.ku.dk/english/drytip/>). She is also PI on the newly founded Global Wetland Center (Novo Nordisk Challenge Programme 2023).

Her research focuses on Earth Observation of terrestrial ecosystems, global environmental change, tipping points and climate extremes.

Between 2009 and 2012, she worked at Joint Research Center of the European Commission (JRC, Ispra), where she contributed to the development of the European and Global Drought Observatories.

See less

## Ansættelse

**Lektor**

Geografi 2

Københavns Universitet

København K, Danmark

1 jan. 2016 → nu

**Postdoc**

Geologi

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København K, Danmark

15 apr. 2012 → 2 jan. 2013

**Contract Agent FGIV**

European Commission, Joint Research Centre

Italien

2 mar. 2009 → 29 feb. 2012

## Publikationer

### **Delineating Standing Deadwood in High-Resolution RGB Drone Imagery**

Möhring, J., Mosig, C., Cheng, Y., Mahecha, M. D., Priego, O. P., Beloiu, M., Volpi, M., Horion, S., Latifi, H., Shafeian, E., Fassnacht, F., Montero, D., Zielewska-Büttner, K., Laliberté, E., Cloutier, M., Schmehl, M-T., Frick, A., Müller-Landau, H., Cushman, K.C., Hupy, J. & 11 flere, Ma, Q., Su, Y., Khatri-Chhetri, P., Kruse, S., Frey, J., Schiefer, F., Junttila, S., Potts, A., Uhl, A., Rossi, C. & Kattenborn, T., 15 mar. 2024.

### **High-resolution mapping of tree mortality in European forests**

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#### **Simulated Tree-Grass Competition in Drylands Is Modulated by CO<sub>2</sub> Fertilization**

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#### **The success of ecological engineering projects on vegetation restoration in China strongly depends on climatic conditions**

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#### **Contrasting ecosystem vegetation response in global drylands under drying and wetting conditions**

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#### **Mapping and characterising tree mortality in California at individual tree level using deep learning**

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**Global quantification of the bidirectional dependency between soil moisture and vegetation productivity**

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### **Supplementary material to "Contrasting responses of woody and herbaceous vegetation to altered rainfall characteristics in the Sahel"**

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### **Global-scale characterization of turning points in arid and semi-arid ecosystems functioning**

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**Drylands under pressure: vegetation modeling of dryland ecosystems in the Sahel**

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## **Aktiviteter**

**Member of PhD committee, Lund University**

Horion, Stéphanie (Eksaminator)

31 mar. 2023

**Chair of PhD assessment committee, University of Copenhagen**

Horion, Stéphanie (Eksaminator)

21 feb. 2023

**MSc examination, University of Cape Town, Faculty of Science**

Horion, Stéphanie (Eksaminator)

17 feb. 2023

**ETH Zürich, Distance Exam, observer**

Horion, Stéphanie (Eksaminator)

9 feb. 2023

**Chair of PhD assessment committee, University of Copenhagen**

Horion, Stéphanie (Eksaminator)

10 maj 2022

**European Geophysical Union (Ekstern organisation)**

Horion, Stéphanie (Medlem)

1 jan. 2021 → 31 dec. 2080

**Organization of Remote sensing seminar, IGN, University of Copenhagen**

Horion, Stéphanie (Deltager)

1 jan. 2020 → 31 dec. 2023

**Land Degradation and Development (Tidsskrift)**

Horion, Stéphanie (Redaktør)

2018 → ...

## **Priser**

**EGU Young Scientist Outstanding Poster Paper (YSOPP)**

Horion, Stéphanie (Modtager), 2010

**EMS Tromp Award 2017**

Horion, Stéphanie (Modtager), jul. 2017

**Document updated June 2022**