# Feuille de Route

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# Objectifs de la semaine

— Choisir le template du datapaper
— Réunir toutes les informations utiles pour un début de rédaction
— Améliorer le template de Texmaker
— Finir la création du document github
— Classification des documents latex pour un meilleur partage des

# Taches effectuées

## Observation des similitudes sur les datas papers

### Datas papers liés aux vents

Journaux concernant l'ingénierie éolienne et l'aérodynamique industrielle publiés sur le site de **Elsevier** :

Réf : https ://www.journals.elsevier.com/journal-of-wind-engineering-and-industrial-aerodynamics/most-downloaded-articles

Similitudes les plus fréquentes :

- Le titre

Il se concentre sur les données spécifiques partagées.

- Auteur(s)

Nom, Affiliations, email ...

- DOI
- Type de licence
- Date de l'article

Date de soumission de l'article, date de publication, date de validation, date révision.

- Highlights

On y trouve les points importants abordés dans l'article.

- Abstract

Présentation du contexte d'obtention des données (front de recherche, question de recherche)

- Keywords
- Introduction

Phrases d'introduction, description du contenu de l'article et sa structure.

- Mesure(s)

Types, intérêts et méthodes d'obtention des mesures (figures, tables pertinentes à la compréhension des données).

- Validation des mesures
- Conclusions
- Acknowledgements
- Références

**Earth System Science** est le journal qui a eu le plus point en termes de facteur d'impact en 2017 d'après le site de gbif (https ://www.gbif.org/data-papers).

Réf : https ://www.earth-system-science-data.net/

On y retrouve des datas papers avec une structure légèrement différente par rapport à ce qu'on a vu dans les journaux publiés sur Elsevier.

- Le titre
- DOI
- Type de licence
- Date de l'article
- Abstract
- Assets
- Discussion
- Metrics

Un exemple de data paper concernant les perturbations causées par le vent dans les forêts européennes sur la période 2000 – 2018 publié cette année sur le site sera affiché dans la page suivante.

https://doi.org/10.5194/essd-2019-141




**Submitted as: data description paper**

05 Sep 2019

# A spatially-explicit database of wind disturbances in European forests over the period 2000–2018

**Review status**
This discussion paper is a preprint. It is a manuscript under review for the journal Earth System Science Data (ESSD).

**Giovanni Forzieri[1], Matteo Pecchi[1,2], Marco Girardello[1], Achille Mauri[1], Marcus Klaus[3], Christo Nikolov[4], Marius Rüetschi[5], Barry Gardiner[6,7], Julián Tomaštík[8], David Small[9], Constantin Nistor[10], Donatas Jonikavicius[11], Jonathan Spinoni[1], Luc Feyen[1], Francesca Giannetti[2], Rinaldo Comino[12], Alessandro Wolynski[13], Francesco Pirotti[14], Fabio Maistrelli[15], Savulescu Ionut[16], Wurpillot Lucas-Stephanie[17], Karlsson Stefan[18], Karolina Zieba-Kulawik[19], Paulina Strejczek-Jazwinska[19], Martin Mokroš[20,21], Franz Stefan[22], Lukas Krejci[23], Ionel Haidu[24], Mats Nilsson[25], Piotr Wezyk[19], Gherardo Chirici[2], Alessandro Cescatti[1], and Pieter S. A. Beck[1]**

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[3]Department of Ecology and Environmental Science, Umeå University, Sweden
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**Received: 13 Aug 2019 – Accepted for review: 03 Sep 2019 – Discussion started: 05 Sep 2019**

**Abstract.** Strong winds may uproot and break trees and represent one of the major natural disturbances for European forests. Wind disturbances have intensified over the last decades globally and are expected to further rise in view of the climate change effects. Despite the importance of such natural disturbances, there are currently no spatially-explicit databases of wind-related impact at Pan-European scale. Here, we present a new database of wind disturbances in European forests (FORWIND). FORWIND comprises more than 80,000 spatially delineated areas in Europe that were disturbed by wind in the period 2000–2018, and describes them in a harmonized and consistent geographical vector format. Correlation analyses performed between the areas in FORWIND and land cover changes retrieved from the Landsat-based Global Forest Change dataset and the MODIS Global Disturbance Index corroborate the robustness of FORWIND. Spearman rank coefficients range between 0.27 and 0.48 (p-value<0.05). When recorded forest areas are rescaled based on their damage degree, correlation increases to 0.54. Wind-damaged growing stock volumes reported in national inventories (FORESTORM dataset) are generally higher than analogous metrics provided by FORWIND in combination with satellite-based biomass and country-scale statistics of growing stock volume. Overall, FORWIND represents a valuable and open-access spatial source to improve our understanding of the vulnerability of forests to winds and develop large-scale monitoring/modelling of natural disturbances. Data sharing is encouraged in order to continuously update and improve FORWIND. The dataset is available at https://doi.org/10.6084/m9.figshare.9555008 (Forzieri et al., 2019).

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Discussion papers

Abstract | Assets | Discussion | Metrics

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**Giovanni Forzieri et al.**

## Model code and software

**A spatially-explicit database of wind disturbances in European forests over the period 2000-2018**

Giovanni Forzieri, Matteo Pecchi, Marco Girardello, Achille Mauri, Marcus Klaus, Christo Nikolov, Marius Rüetschi, Barry Gardiner, Julián Tomaštík, David Small, Constantin Nistor, Donatas Jonikavicius, Jonathan Spinoni, Luc Feyen, Francesca Giannetti, Rinaldo Comino, Alessandro Wolynski, Francesco Pirotti, Fabio Maistrelli, Savulescu Ionut, Wurpillot Lucas-Stephanie, Karlsson Stefan, Karolina Zieba-Kulawik, Paulina Strejczek-Jazwinska, Martin Mokroš, Franz Stefan, Lukas Krejci, Ionel Haidu, Mats Nilsson, Piotr Wezyk, Gherardo Chirici, Alessandro Cescatti, Pieter S.A. Beck
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## Interactive discussion

**Status: open (until 31 Oct 2019)**

**AC**: Author comment | **RC**: Referee comment | **SC**: Short comment | **EC**: Editor comment | : Report abuse

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## Viewed

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| 276 | 109 | 3 | 388 | 1 | 1 |

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| Canada | 4 | 22 | 7 |
| Switzerland | 5 | 18 | 5 |


**Cited**

**Saved**

**Discussed**

Latest update: 11 Oct 2019

Réf : https ://www.earth-syst-sci-data-discuss.net/essd-2019-141/

### Datas papers liés à l'énergie solaire

...

## Progression sur Github

- Création d'un dossier partagé

- Familiarisation avec Github et Gitkraken (transfert de fichier, correction ...)

# Objectifs pour la semaine prochaine

— Choisir le template du datapaper