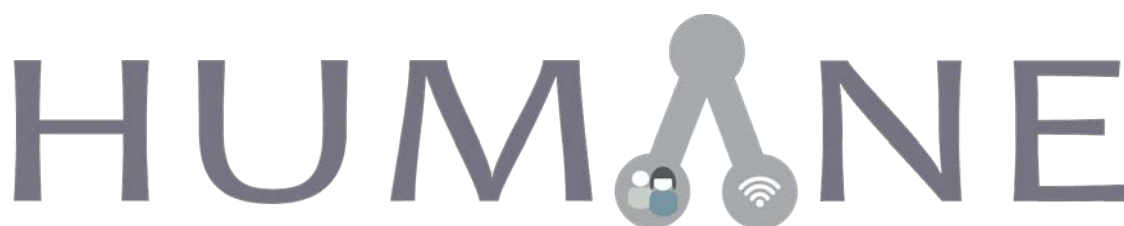


ICT-31-2014: Human-centric Digital Age

Project number: 645043



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**A typology, method and roadmap for HUman-MAchine NETworks**

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Deliverable D5.4

# A compendium of ongoing results

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<b>Abstract</b>	This deliverable presents the current status of the HUMANE online platform with a project website and Twitter-account.
<b>Key-words</b>	Website, Twitter, blog, dissemination, communication

## Versioning and contribution history

Version	Date issued	Description	Contributors
V0.0	Year 1	Content for website, blog and Twitter regularly updated.	UOXF/all
V0.1	31/03/2016	First draft	UOXF
V0.2	01/04/2016	Final draft	SINTEF, UOXF

## **Executive summary**

D5.4 is a web-type of deliverable, and the output is the HUMANE website, blog and Twitter (see [www.humane2020.eu](http://www.humane2020.eu), [www.humane2020.eu/blog](http://www.humane2020.eu/blog) and <https://twitter.com/humane2020>).

This report presents the current status of the HUMANE online platform with a project website and Twitter-account.

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## 1 Introduction

As part of Task 5.2: Online Presence, a HUMANE website was publicly launched on 29<sup>th</sup> of May 2015. The website is set up using Wordpress with the URL <http://humane2020.eu/>. The website serves as the public face of HUMANE with updated information about the project and be a repository of relevant publications in the field of human-machine networks. Additionally a Twitter-account has been set up, @Humane2020.

The website has been kept updated over the course of the project from M1 to M12 with latest news and publications emerging from HUMANE. The Twitter account has been used to further advertise the pre-prints and papers published by the project. We have been posting regular blog posts reporting on the latest developments within the project as well as a newsletter summarizing the activities within year 1.

## 2 HUMANE website

The HUMANE website has been continuously improved and revised throughout the project period. The structure remained more or less the same, though the consortium have been revising and updating the content on a regular basis.

A screen-shot of the current front-page of <http://humane2020.eu/> is presented in Figure 1.

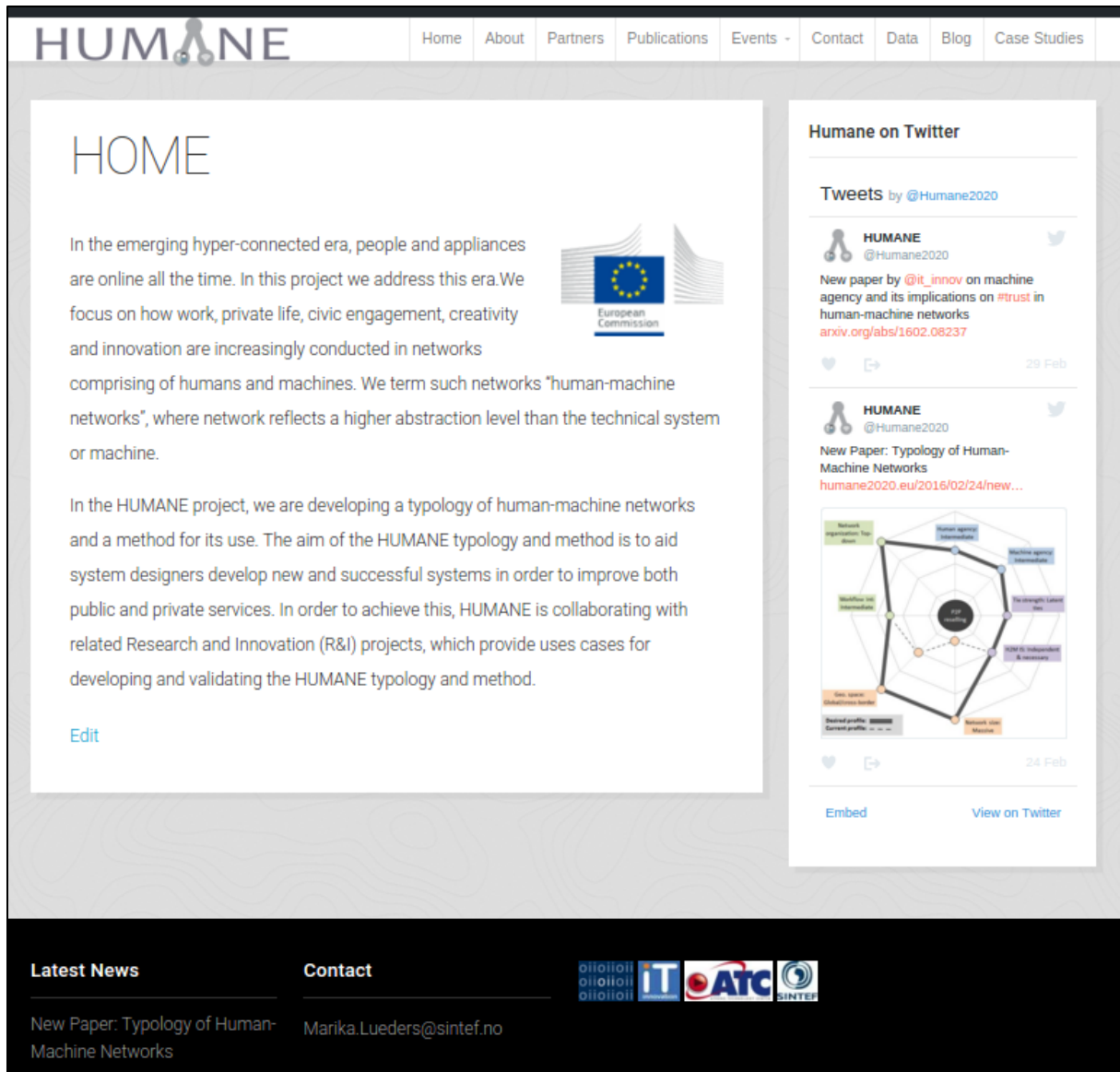
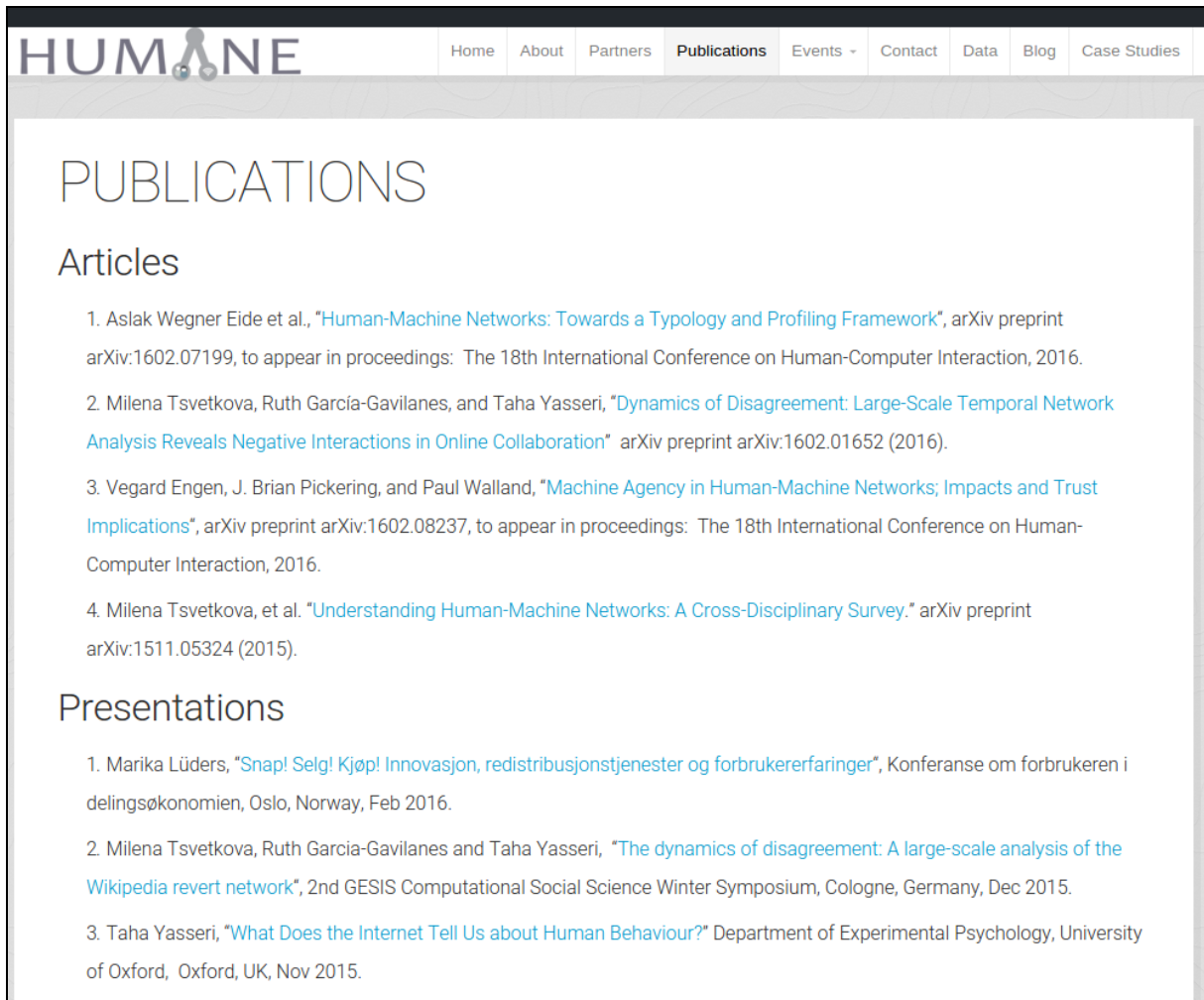


Figure 1: HUMANE website.

HUMANE publications are listed on the Publications-page (see Figure 2). This includes journal- and conferences papers as well as public deliverables.





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## PUBLICATIONS

### Articles

1. Aslak Wegner Eide et al., "[Human-Machine Networks: Towards a Typology and Profiling Framework](#)", arXiv preprint arXiv:1602.07199, to appear in proceedings: The 18th International Conference on Human-Computer Interaction, 2016.
2. Milena Tsvetkova, Ruth Garcia-Gavilanes, and Taha Yasseri, "[Dynamics of Disagreement: Large-Scale Temporal Network Analysis Reveals Negative Interactions in Online Collaboration](#)" arXiv preprint arXiv:1602.01652 (2016).
3. Vegard Engen, J. Brian Pickering, and Paul Walland, "[Machine Agency in Human-Machine Networks; Impacts and Trust Implications](#)", arXiv preprint arXiv:1602.08237, to appear in proceedings: The 18th International Conference on Human-Computer Interaction, 2016.
4. Milena Tsvetkova, et al. "[Understanding Human-Machine Networks: A Cross-Disciplinary Survey.](#)" arXiv preprint arXiv:1511.05324 (2015).

### Presentations

1. Marika Lüders, "[Snap! Selg! Kjøp! Innovasjon, redistribusjonstjenester og forbruker erfaringer](#)", Konferanse om forbrukeren i delingsøkonomien, Oslo, Norway, Feb 2016.
2. Milena Tsvetkova, Ruth Garcia-Gavilanes and Taha Yasseri, "[The dynamics of disagreement: A large-scale analysis of the Wikipedia revert network](#)", 2nd GESIS Computational Social Science Winter Symposium, Cologne, Germany, Dec 2015.
3. Taha Yasseri, "[What Does the Internet Tell Us about Human Behaviour?](#)" Department of Experimental Psychology, University of Oxford, Oxford, UK, Nov 2015.

**Figure 2: HUMANE website publication-page.**

A project-blog is regularly updated on <http://humane2020.eu/blog/> (see Figure 3). We have posted on every new pre-print as well as a detailed description of the case studies. Finally, at the end of year 1, we posted a summary of all the activities that HUMANE had by far. The blog posts are featured on the front page of the Oxford Intern Institute website.

HUMANE

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## NEGATIVE INTERACTIONS IN ONLINE COLLABORATION

Posted on February 5, 2016 By Taha Yasseri

We just posted a new pre-print titled: [Dynamics of Disagreement: Large-Scale Temporal Network Analysis Reveals Negative Interactions in Online Collaboration.](#)

*Disagreement and conflict are a fact of social life and considerably affect our well-being and productivity. Such negative interactions are rarely explicitly declared and recorded and this makes them hard for scientists to study. We overcome this challenge by investigating the patterns in the timing and configuration of contributions to a large online collaboration community. We analyze sequences of reverts of contributions to Wikipedia, the largest online encyclopedia, and investigate how often and how fast they occur compared to a null model that randomizes the order of actions to remove any systematic clustering. We find evidence that individuals systematically attack the same person and attack back their attacker; both of these interactions occur at a faster response rate than expected. We also establish that individuals come to defend an attack victim but we do not find evidence that attack victims “pay it forward” or that attackers collude to attack the same individual. We further find that high-status contributors are more likely to attack many others serially, status equals are more likely to revenge attacks back, while attacks by lower-status contributors trigger attacks forward; yet, it is the lower-status contributors who also come forward to defend third parties. The method we use can be applied to other large-scale temporal communication and collaboration networks to identify the existence of negative social interactions and other social processes.*

— Revert  
 — Repeated attack (AB-AB)  
 — Revenge/self-defense (AB-BA)  
 — Generalized revenge (AB-BC)  
 — Multilateral attack (AB-CB)  
 — Serial attack (AB-BC)  
 — Third party defense (AB-CA)

An example of all reverts done in the English language Wikipedia within one day.

Figure 3: HUMANE blog.

### 3 @Humane2020 – HUMANE on Twitter

A Twitter-account has been registered with the user-name @Humane2020 (see Figure 4). HUMANE-partner OUXF have the main responsibility for updating @Humane2020, yet all project-partners have access to the Twitter-password and are post on behalf of the project.



Figure 4: HUMANE on Twitter.