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**Stanford** | Center for  
Ocean Solutions

## **Position Announcement**

### **André Hoffmann Fellow: Ocean Innovations**

The World Economic Forum and Stanford University seek a Hoffmann Fellow for a two-year joint appointment. The Fellow will be based jointly in the Forum’s Center for the Fourth Industrial Revolution (“C4IR”) in San Francisco, California, which is dedicated to addressing the possibilities and challenges posed by the explosion of technological innovation – from AI to biotechnology, and Stanford’s Center for Ocean Solutions (“COS”), which is focused on spurring innovation to sustain the resilience of the ocean and the people who depend on it.

The Fellow will work with Forum partners and Stanford faculty on initiatives to harness the power of the Fourth Industrial Revolution to achieve Sustainable Development Goal 14 – Life Below Water. The Fellow’s primary role will be to lead projects developing applications of new and emerging technology to address ocean challenges. They will also help organize an annual conference that brings together leaders, experts and innovators to find new opportunities.

#### **Hoffmann Fellowship Program**

The André Hoffmann Fellowships for the Fourth Industrial Revolution urge early-career scholars focused on environment, as well as other areas where technology, society, and policy intersect, to take an active role in shaping the world of tomorrow by being embedded in the projects run by C4IR. The fellowship develops a crucial link between primary research undertaken in top higher education institutions and the Forum’s policy pilots to benefit public-private collaboration on emerging technologies.

The Ocean Innovations Fellow will have a joint appointment at the Forum and at Stanford, dividing her or his time between the two locations throughout the two years of the Fellowship, supporting a close and growing collaboration between the two institutions.

Likely topic areas include the creation of tech and market solutions to support more sustainable management of fisheries and traceability in global seafood supply chains, and development of a platform to access and integrate diverse data sources for monitoring the status and use of fish and other ocean resources. The Fellow will report to the Project Head from the Center for the 4<sup>th</sup> Industrial Revolution at the World Economic Forum, and Jim Leape at the Stanford Woods Institute for the Environment.

This Fellowship is designed to draw on and enhance the academic and professional skills of an early career researcher by creating a unique opportunity to work across a broad range of actors and disciplines to forge enduring solutions to the greatest challenges facing the ocean. Over the course of the two-year term, the Fellow will help build and drive intensive collaborations among Forum and Stanford partners to deliver specific ocean outcomes through research and active engagement with Forum partners. This will include leaders from the private sector, governments, international organizations, and civil society, and faculty from diverse disciplines at Stanford.

The Forum and Stanford are committed to providing each Fellow with appropriate training and mentorship, including participation in select Forum events, and access to special leadership and communications workshops, courses and one-on-one training provided through the Stanford Woods Institute for the Environment.

**Qualifications:**

- Received a PhD in a related field in the last three years
- Demonstrated interest and experience in ocean science or policy, as well as in data science and technology.
- Strong written and verbal communications skills and fluency in English.
- Superlative inter-personal skills; self-starter, with the ability to work independently and as a member of a team, and to manage multiple projects simultaneously.

**Key Responsibilities:**

The Hoffmann Fellow will work with C4IR and COS staff to:

- Identify and develop initiatives to bring technology to bear on solving important ocean problems.
- Engage Forum partners in business, government, civil society, and researchers at Stanford and other academic institutions, in building selected initiatives, developing solutions, and taking those solutions into implementation.
- Undertake research on key ocean challenges, including sustainability in global fisheries supply chains, and the potential to draw on Fourth Industrial Revolution innovations to provide solutions.

- Help organize an annual conference on the Fourth Industrial Revolution and the Ocean that brings together leading ocean experts, stakeholders and actors, with tech experts and innovators to showcase exciting initiatives and identify promising opportunities.

### **About the World Economic Forum Center for the Fourth Industrial Revolution**

The Center for the Fourth Industrial Revolution brings together policy leaders and strategists of international, national and sub-national bodies with technology pioneers, business leaders, academic experts from leading universities, and civil society representatives to study emerging technologies, address the resulting transformations and test protocols and policies that could harness and accelerate the benefits of these technologies whilst minimizing their potential disruptive impacts. This multi-stakeholder hub provides policy leaders with the unique opportunity to anticipate and shape the trajectory of emerging technologies. Learn more about the Center's mission at <https://www.weforum.org/center-for-the-fourth-industrial-revolution/about>.

The World Economic Forum, committed to improving the state of the world, is the international organization for public-private cooperation. It engages the foremost political, business and other leaders of society to shape global, regional and industry agendas. The Forum believes that progress happens by bringing together people from all walks of life that have the drive and the influence to make positive change happen. That begins with the Forum's own people representing the character, values and spirit of the Forum mission.

### **About the Stanford Center for Ocean Solutions**

The Center for Ocean Solutions creates innovations that can help sustain the resilience of the ocean and support the communities that depend on ocean resources. It draws upon expertise and research across the broad array of disciplines at Stanford – including ocean sciences, political science, computer science, engineering and business – that are important to solving ocean problems. COS forges collaborations with government, private sector, and non-profit partners to identify crucial problems and opportunities, create solutions, and translate them into action. COS is part of the Stanford Woods Institute for the Environment.

The World Economic Forum and Stanford are equal opportunity employers.

**Term Period:** 24 months

**To Apply:** Send the following package to [HoffmannFellow@stanford.edu](mailto:HoffmannFellow@stanford.edu):

- Personal statement (maximum 2 pages) addressing:
  - Your past academic research and relevant work experience;
  - Any involvement in broader impact activities relevant to the scope of the Hoffmann Fellowship (ocean science, policy, data and technology);

- Why you are interested in the Hoffmann Fellowship and how you envision it furthering your career;
  - How your skills, expertise and networks can help drive this project forward.
- CV
- Contact information for three references, with at least one reference who can speak to your broader impact activities

**Deadline for applications is April 6<sup>th</sup>, 2018.**