

Prof. Dr. Masahiro Ryo

Position: Head of WG Artificial Intelligence
Professor of Environmental Data Science, Brandenburg University of
Technology Cottbus-Senftenberg



Academic education and scientific degrees

10/2012 – 03/2015 PhD, Civil Engineering, Tokyo Institute of Technology, Japan
04/2011 – 09/2012 MSc, Civil Engineering, Tokyo Institute of Technology, Japan
04/2007 – 03/2011 BSc, Civil & Environmental Engineering, Tokyo Institute of Technology, Japan

Professional experience

Since 12/2020 Professor for Environmental Data Science (joint appointment with ZALF),
Brandenburg University of Technology Cottbus-Senftenberg, Germany
Since 12/2020 Leader of Working Group “Artificial Intelligence for Smart Agriculture”, ZALF
04/2016 – 11/2020 Postdoc, Freie Universität Berlin, Germany
04/2015 – 03/2016 Postdoc, Federal Institute of Aquatic Science and Technology, Switzerland

Research Profile

Background

- Data science with artificial intelligence (AI)
- Biodiversity and ecosystem pattern analysis and knowledge synthesis
- Hydrological simulation with remote sensing

Research Activities

- Exploring AI-powered Nature-based Solutions for sustainability
- AI development & application for biodiversity and agricultural research
- Agricultural digitalization and diversification strategy across scales

Functions and memberships

Since 2021 Associate Editor, Journal of Sustainable Agriculture and Environment
Since 2019 Associate Editor, Ecological Informatics
2014 – 2020 Research fellow of Japan Society for the Promotion of Science

Other

since 2021 Representative for ZALF Topic 3 *Agriculture and digitalization*
2020 Young scientist award, the Ecological Society of Japan

Core organization member for LANDSCAPE 2024 conference

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