

Dr. Sylvie Rousset,

Senior Scientist (woman) at CNRS, heading the
Open Research Data Department (DDOR) at the CNRS headquarters



After completing her studies at the prestigious École Normale Supérieure, Dr. Rousset earned her PhD in Physics from the University of Paris Diderot in 1989, specializing in the emerging field of Scanning Tunneling Microscopy (STM). Following a postdoctoral stint at IBM's Almaden Research Laboratory in the United States (1991-1992), she was appointed as a permanent researcher at the French National Centre for Scientific Research (CNRS) in 1989, later becoming a senior scientist in 2002.

Dr. Rousset is a leading expert in nanosciences, with a particular focus on self-organization at metal surfaces. Her pioneering work led to the discovery of long-range ordered growth of uniform-sized nano-dots, a breakthrough that opened new avenues for investigating the properties of these nano-objects using macroscopic averaging techniques.

Her leadership and management skills were honed over many years. From 1997 to 2007, Dr. Rousset led a research team of 12 at the Quantum Materials and Phenomena Laboratory (CNRS/Université Paris Diderot). She then served as the director of this laboratory from 2007 to 2010, during which time she played a key role in its establishment, overseeing a team of approximately 90 people. Following this, she became the head of the Nano Sciences Center from 2010 to 2014, which was later transformed into the Nano-K Center "From Cold Atoms to Nanosciences" in 2012—a network of around 2,500 scientists with an annual budget of €5 million. Throughout her career, Dr. Rousset has demonstrated a remarkable ability to recruit and manage talent, contributing to the publication of approximately 130 scientific articles.

In 2014, Dr. Rousset was appointed Vice President for Research at the University Paris Diderot, where she played an instrumental role in the appointment and promotion of researchers. In November 2018, she assumed the position of Director of the CNRS Scientific and Technical Information Department, which was restructured in 2020 as the Department of Open Research Data. Reporting directly to the Deputy CEO for Science, Alain Schuhl, one of Dr. Rousset's key achievements was the creation of the CNRS Road Map for Open Science in 2019, followed by the CNRS Research Data Action Plan in 2020. Under her leadership, the first goal of the Road Map—to achieve 100% open access for scientific publications—was rapidly advanced, with the CNRS reaching 80% open access across all its units by 2020, up from 50% in 2019.

In the upcoming conference, Dr. Rousset will give an **invited talk** under the theme of “**Open Science, Open Source & Open Access**” and be the chairman of the panel discussion on the theme “**Fostering Open Science, Open Source & Open Access for robust R&D Ecosystem**”.