This document presents a short summary of and key lessons from the European Space Agency’s Earth Observation for Sustainable Development (EO4SD) Climate Resilience Cluster’s recent webinar “Setting the scene: The climate resilience challenge and how ESA is responding”. The webinar, the first in a series of seven held by the EO4SD Climate Resilience Cluster in June and July 2020, provided an introduction to using Earth Observation (EO) data to build climate resilience and summarised ESA’s current and planned activities in this area.

Susanne spoke of the growing importance of EO data noting a rise in public interest in recent years. She demonstrated that it is not enough to drive climate adaptation and mitigation efforts through political action. It is important to invest in science, research and technology development that allows for the building of systems that make for better decision-making.

Anna addressed the potential of EO data and ongoing work within ESA. So far, more than eighty projects are using EO products and services in partnership with multilateral development banks (MDBs) covering a variety of sectors including agriculture, water, urban development, and disaster risk reduction. This will be scaled up into a Global Development Programme by 2024, with climate resilience integrated as an essential component.
Bernice highlighted that, since 2008, the Bank has worked on **40 collaborative projects with ESA** to ensure that EO information is informing its thinking and practice. Speaking on climate change resilience and development planning, she stressed that Earth Observation is not just about providing critical inputs for climate science, but for **development projects and action on the ground**.

Ana Elisa then spoke in more detail about how the Bank uses EO data in a **development context** and presented the ongoing **collaboration activities** between the EO4SD climate cluster and the World Bank.

Lydia then described the state of climate science, the future we can expect to have, and the legal and financial context surrounding climate change. She noted that human activities have caused the earth’s climate to warm by more than 1oC, compared to pre-industrial levels, and that this warming is driving unprecedented changes to the earth's climate system. **It is therefore imperative that we take steps today, to adapt to a warmer world, and build resilience to climate change and its impacts.** Lydia also highlighted the Cluster’s activities and broke down their ongoing work into three main areas. First, the Cluster is **supporting IFIs integrating different types of EO data** into their current Global Risk and Resilience Tools. That way, EO data will be instantly accessible to them through familiar means. Second, the Cluster is examining how EO data can be **useful for different audiences** by looking at different problems at various stages of the project cycle. Finally, the Cluster has been working to help people make use of all of this information by **offering training and bespoke support** in using the tools in different ways.

For more information about the EO4SD Climate Resilience Cluster, visit the website here: [http://eo4sd-climate](http://eo4sd-climate).