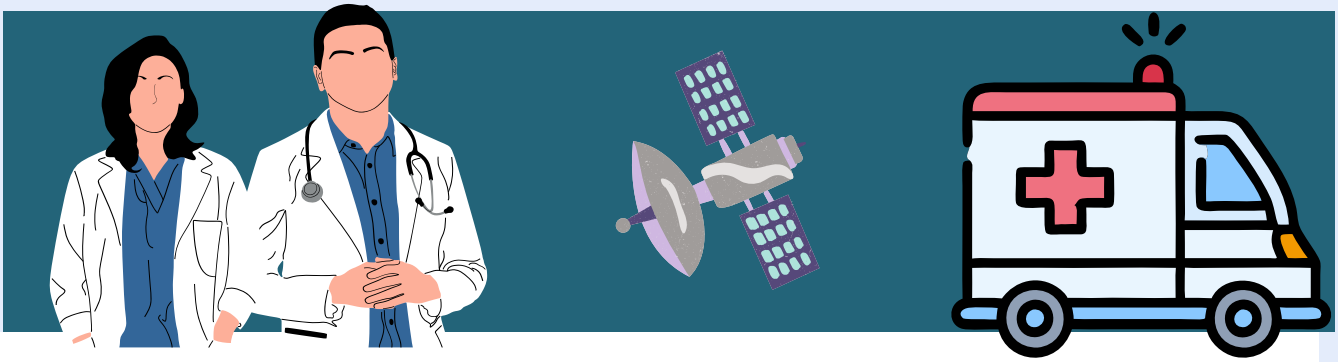
SPACE DATA/SERVICES FOR HEALTH



4RTH FEBRUARY 2025, 15.30-17.00 (BRUSSELS TIME)

WEBINAR I ON SPACE DATA/SERVICE FOR HEALTH – SPACE4HEALTH

SERIES OF ONLINE EVENTS

PLEASE CONFIRM YOUR ATTENDANCE BY REGISTERING HERE.

PROGRAMME

Welcome and short introduction by NEREUS (Roya Ayazi, NEREUS-secretary General);

- Presentation of **NASA EO4HEALTH initiative** activities by John Haynes, Juli Trtanj, Helena Chapman, NASA;
- Presentation of the "***Copernicus Health Hub"*** by ECMWF;
- Presentation of **EUSPA activities** on health applications and collaboration with medical companies by Gerda Kuum, EUSPA;
- Best Practices/examples by companies, start-ups, reserach, universities etc.:

- Q&A/ Discussion
- Closing

Short description of the session:

The session is part of a series that introduces the participants to the dimension of space technologies for different application domains. This session focuses on Space4Health and wants to highlight the opportunities of space-based services and products but also identify needs of the regional/local level in the health sector. Bearing in mind that public health and the environment are closely linked, Earth Observation (EO) and satellite-based services provide data and tools in helping us understand, track, and predict diseases and public health developments.

PROGRAMME

To quote some examples highlighted by the Group on Earth Observation (GEO), Earth observation and SENTINEL data can

- Monitor and forecast potential health risks such as air quality deterioration or disease outbreaks.
- Understand and predict environmental factors that might lead to respiratory illnesses, malnutrition, or disease transmission.
- Offer early warnings for potential health crises, like contaminated seafood from algae blooms or respiratory challenges from dust storms.
- Track environmental changes that may open pathways for diseases, such as Lyme or HIV/AIDS.

A solid information base on these factors allows public authorities to take better-informed decisions to design and implement effective public health programs.

Objectives:

- Better understanding of challenges and needs of public authorities responsible for health policies
- Explore how satellite technologies can be employed to support the health sector (see above)
- Bringing best practices, model use cases and projects to the floor that highlight how space technologies contribute to addressing challenges of public and individual health, highlight projects and initiatives that have successfully integrated space technology.
- Discuss the impact of climate change the health sector and its implications for citizen's health
- Stimulating knowledge exchange and sharing innovative solutions
- Encourage partnerships and cooperations to integrate new health solutions
- Discussing the significance of interregional cooperations/ European cooperations between the space industry, health sector, and local communities to implement effective solutions.
- Address legislative framework, the role of regional strategies and current environmental legislation on promoting new health solutions