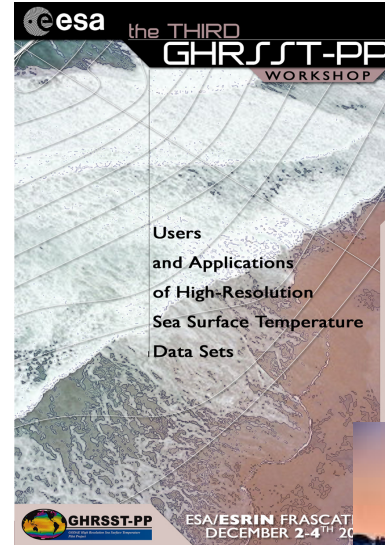


# GHR SST XX

C Donlon and L. Santoleri

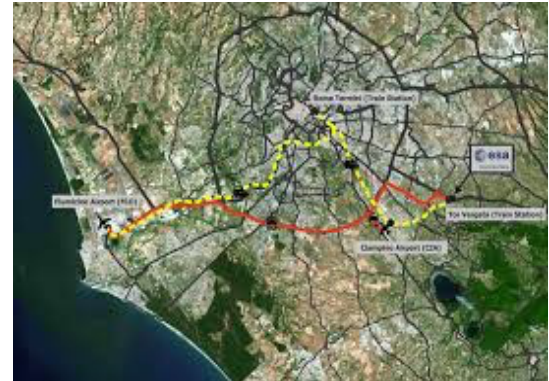
# GHRSSST XX Preparations

- The last GHRSSST meeting in Italy was in 2002 GHRSSST-III. Doug May banged his fist and the rest is history!
- GHRSSST-XX will be organized at ESA/ESRIN with CNR
- The idea is to have a forward looking meeting focusing on future innovation and challenges rather than a retrospective self-congratulatory meeting.
- ESA Phi-Lab will be active and it will be an exciting meeting: New Sensors, new approaches (eg. High Altitude Platform Sensors) and where we want GHRSSST to be in 2030



# Location and Planning

- The meeting will be held at ESA/ESRIN, Frascati, Rome, Italy 3-7 June 2019
- Rooms have been booked (Magellan, Cook annex and Big Hall)
- On-site support has been arranged to help coordinate the meeting
- Buses from Frascati to/from ESRIN will be provided
- Registration web site including abstract submissions will be provided
- Poster sessions will be arranged with posters up all week.
- Icebreaker on Monday evening during poster session
- GHRSS team building arranged by CNR on Wednesday 6<sup>th</sup> June – to be decided
- Taxis to/from Rome Leonardo Da Vinci (Fumicino) airport will be coordinated by ESA team



# Examples of possible team building meeting

## VATICAN SECRET ARCHIVES



*The Vatican Secret Archives have been at the service of the holy see and now represents one of the most relevant and famous centers of research world wide. A treasury of incomparable value, boasting millions of documents for researchers of any nationality and religious or ethnic background to study.*

## Walking tour of BAROQUE ROME



*Discover Rome's beautiful Baroque treasures on a walking tour. Learn about the architects and artistry that defined the Baroque period from an expert guide. Visit the Doria Pamphilj Gallery, the largest private art Gallery of Rome, with masterpieces by Caravaggio, Raphael, Tiziano, Velasquez, Bernini in a really unique atmosphere.*

# A forward vision: Shaping the next 20 years of ocean surface temperature measurements from space

- We propose that GXX is used as an opportunity to develop the future perspective for GHR SST - most notably with respect to the mix of microwave and thermal infrared satellite capability.
- There are new technologies (e.g. SailDrone, new HRSST drifters, High Altitude Platforms, small satellites, constellations..): how will GHR SST make use of these?.
- More on multi-sensor synergy: how can we use other satellite data (Altimetry, SAR, ocean colour, scatterometry) to improve GHR SST activities and SST applications (e.g. ocean surface currents, sea surface density)?
- Exploitation of SST by users and what are their requirements (e.g. marine policy, marine environment, fishery, ...)
- Is there a role for new “Big Data” and AI approaches within GHR SST?
- How can we improve GHR SST to better serve applications community (operational and science)?
- We still need a focus on SST science – this is the core of GHR SST.
- ESA has a new  $\Phi$ -Lab: Disruptive Innovation for EO Open Science: inspiring talks, workshops, roundtables, startup pitch, hackathons to that connect multi-disciplinary communities - from EO researchers, data scientists, non-space corporates, tech leaders, entrepreneurs, up to startup and innovators
- What about parallel session? Y/N??

