Finanziato dall'Unione europea NextGenerationEU
Ministero dell'Università e della Ricerca
Italiadomani PIANO NAZIONALE DI RIPRESA E RESILIENZA
INFN Istituto Nazionale di Fisica Nucleare Laboratori Nazionali di Frascati

ETIC Lab Journey - Your Digital Guide to ET's Innovation Labs in Italy

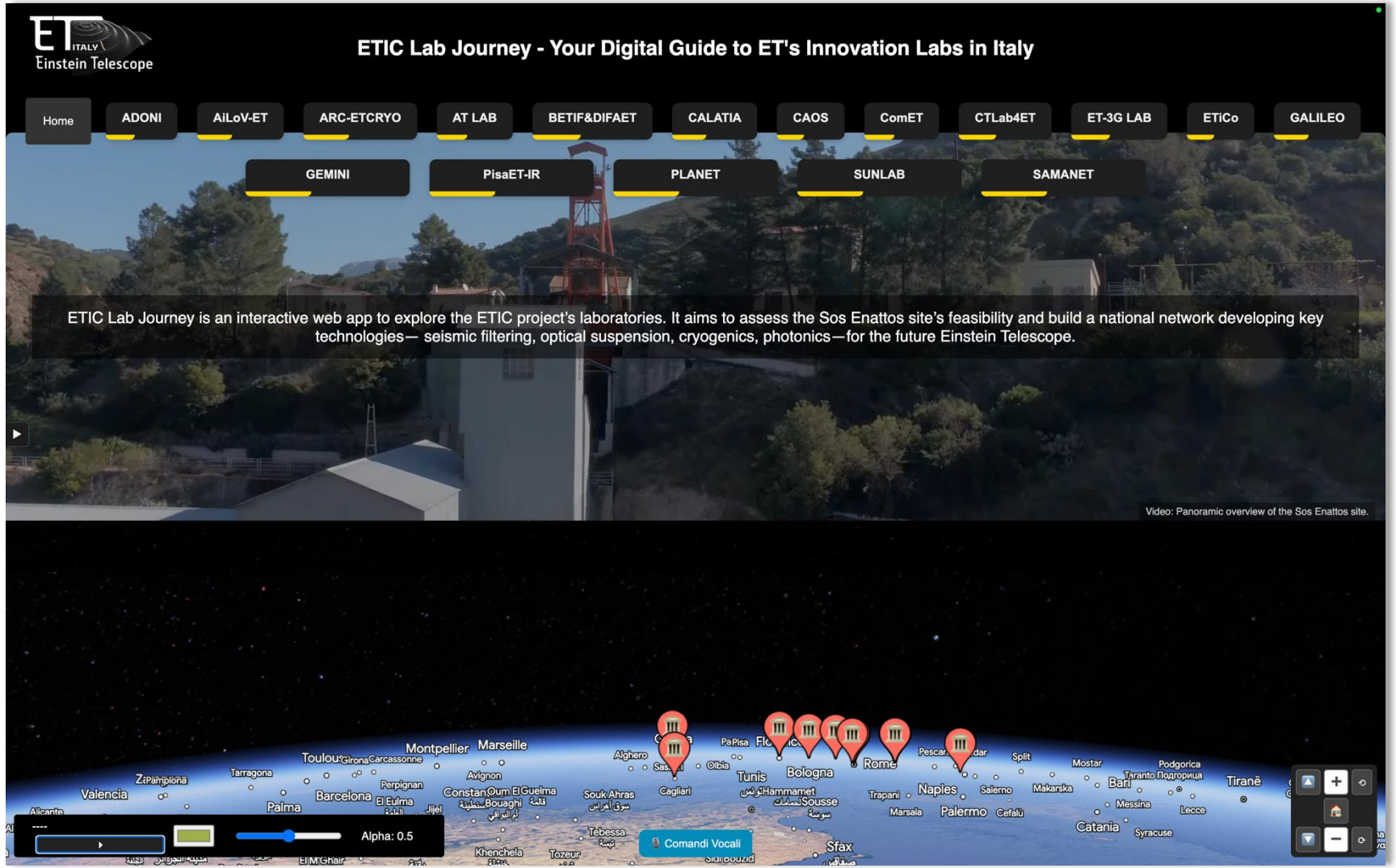
GIUSEPPE GRECO

INFN-PERUGIA

ET ITALY Einstein Telescope

http://www.einstein-telescope.it

XV ET Symposium | Bologna



ETIC Lab Journey is an interactive web app to explore the laboratories of the **Einstein Telescope Infrastructure Consortium (ETIC)**, a 2023 initiative led by INFN National Recovery and Resilience Plan (Next Generation EU) .

ETIC has two main goals: a feasibility study in Sos Enattos and the **development of a national lab network** working on technologies for the Einstein Telescope—seismic isolation, cryogenics, optics, photonics, and advanced materials.

Modular and Scalable Application

The application is designed to be easily scalable:
by adding a new lab to the configuration file,
all associated features are automatically set up.

```
const labConfigs = [

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  center: { lat:43.749609, lng:11.253578 },
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  angle: 75,
  altitude: 20,
  range: 600,
  tilt: 70,
  embedUrl: "https://www.instagram.com/reel/DJrQ1OTTCsI/embed",
  email: 'info@lab.it',
  loginUrl: 'https://lab.it/login',
  description: 'ADONI-ET adaptive optics laboratory was inaugurated
  images: ['https://www.einstein-telescope.it/wp-content/uploads/202
  'https://www.media.inaf.it/wp-content/uploads/2025/05/etic1.jpg',
           'https://www.media.inaf.it/wp-content/uploads/2025/05/et
  maps: "https://www.instagram.com/reel/DJrQ1OTTCsI/?utm_source=ig_w
  color: '#FFD700',
  keywords: ['Optics, Electronics and Photonics']
  },
```

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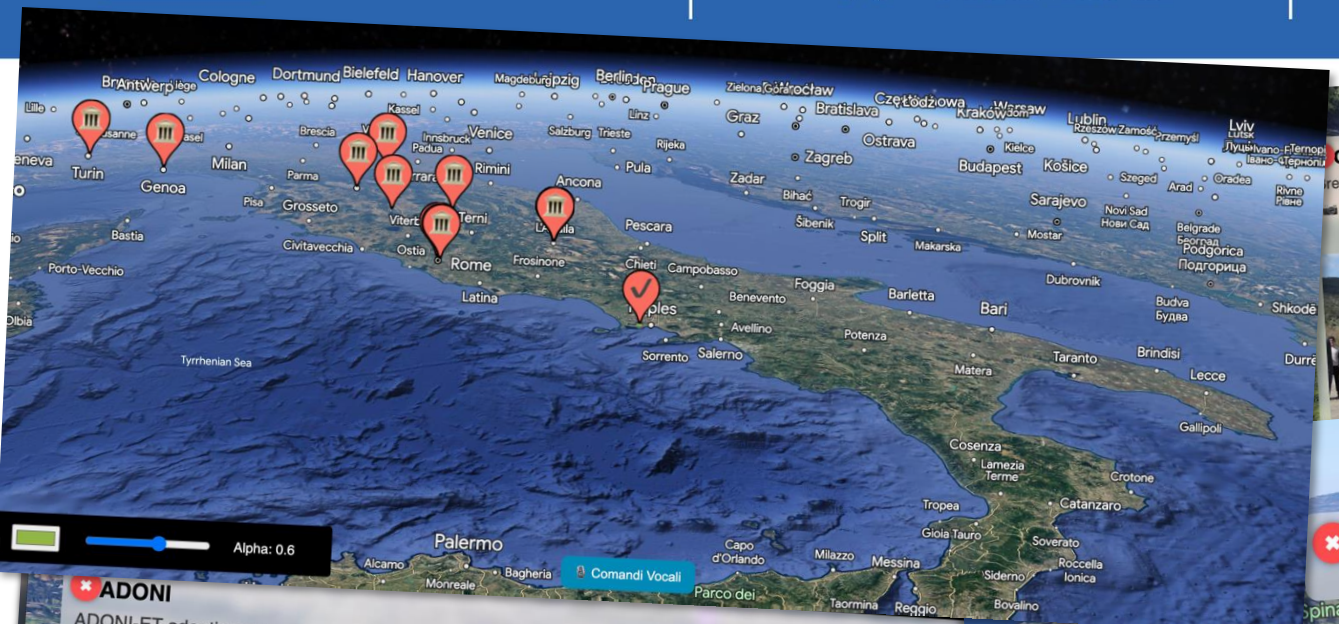

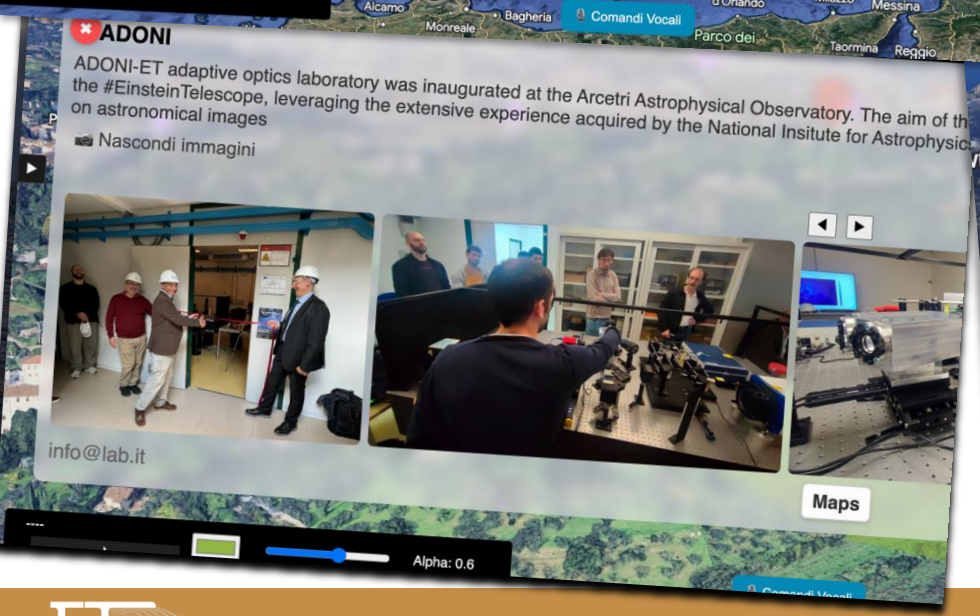

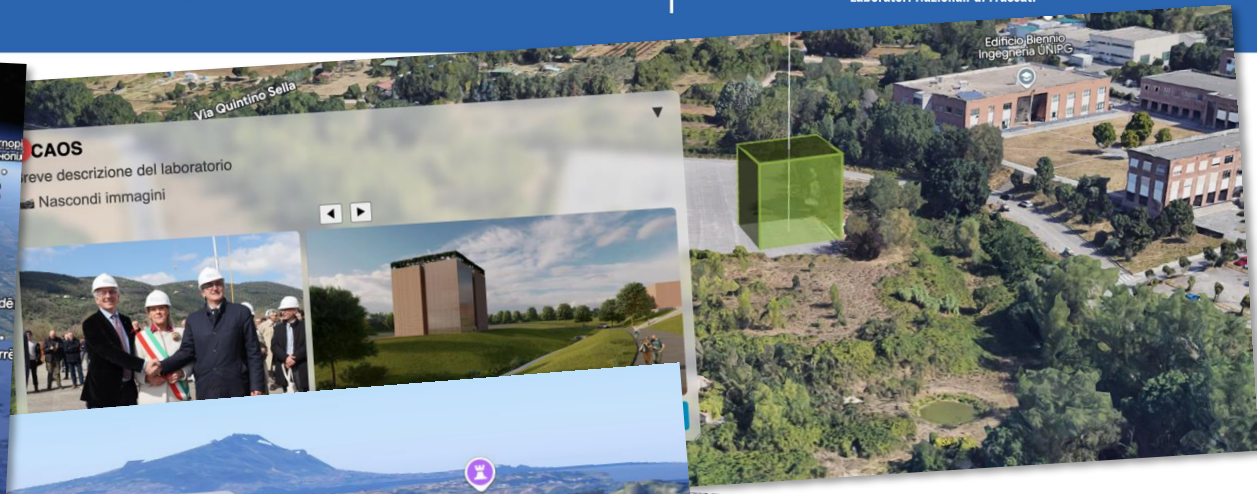

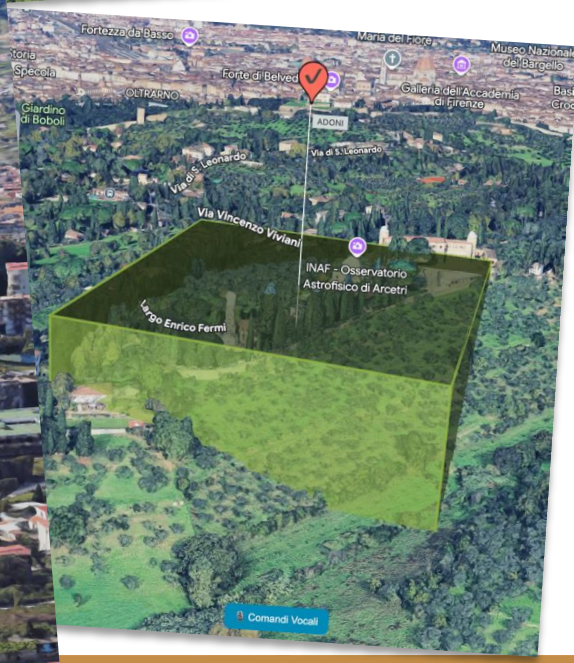

🔓 Open Source
The code will be published on a public GitHub repository, following **FAIR principles** (Findable, Accessible, Interoperable, Reusable).

🌍 Google Earth Integration
Built using the **modern beta version** of the Google Earth Web library.

🎨 Custom Design
Features a **dedicated CSS style**, developed specifically for the app's user interface and experience.

See Demo

🧭 Interactive Exploration
Users can virtually explore ETIC laboratories across Italy in an intuitive and immersive way.

📊 Scalable Architecture
The app is designed to easily integrate new labs and features as the project evolves.

🔗 Linked Resources
Each lab is connected to detailed info, documents, and external links for deeper exploration.

📱 Responsive Design
Optimized for use on both desktop and mobile devices.