



GIS ANALYST & HERITAGE SPECIALIST

(FREELANCE / INTERNSHIP — 3 TO 6 MONTHS)

HERITAGE WATCH AI — PARIS

ABOUT HERITAGE WATCH AI

HeritageWatch.AI (HWAi) is an independent French nonprofit building the world's first operational intelligence system for cultural heritage protection. Using satellite imagery, AI-powered change detection, and deep heritage expertise, we monitor threats to cultural heritage worldwide — looting, climate degradation, conflict-related destruction — and deliver open-access reports and alerts to the organisations that can act.

Founded in February 2025 at the Paris AI Action Summit, HWAi works in partnership with leading institutions in heritage protection, satellite imagery, and artificial intelligence. Our team of five is based in Paris.

THE ROLE

We are looking for a GIS Analyst & Heritage Specialist to join the team for a period of 3 to 6 months, on a freelance or internship basis depending on experience and availability. This is a hands-on, operational role centred on geospatial analysis and satellite imagery — with scope to contribute to communications and dissemination depending on the candidate's profile.

The core of the role is analytical: working alongside our scientific team on the production of heritage monitoring reports. Secondary responsibilities are flexible and can be shaped around the candidate's skills and interests.

CORE RESPONSIBILITIES — GIS & SATELLITE ANALYSIS

- Analysing satellite imagery to identify and document traces of looting, destruction, encroachment, or environmental degradation at heritage sites
- Producing spatial analyses, change detection outputs, and maps for published reports and internal use
- Supporting the team on emergency reports (natural disasters, conflict events): imagery selection, spatial analysis, documentation of findings
- Working with the HWAi platform toolbox: Search-EO, Historical Satellite, WebGIS, Kepler,

and other geospatial environments

— Bringing architectural and heritage reading into satellite analysis — understanding built heritage typologies, site morphology, and spatial organisation

ADDITIONAL SCOPE — COMMUNICATIONS & DISSEMINATION (OPTIONAL, DEPENDING ON PROFILE)

Candidates with a scientific dissemination or communication background or interest may also contribute to:

- Developing communication materials that make satellite evidence accessible to non-specialist audiences
- Disseminating reports to institutional partners, press contacts, and academic networks
- Preparing social media content around published reports and emergency events
- Supporting the team for their conference presentations

PROFILE

We are looking for someone with GIS and remote sensing skills, a genuine interest in cultural heritage, and the adaptability to work across disciplines in a small, fast-moving team.

Required

- Hands-on experience with GIS tools and satellite imagery analysis — QGIS, ArcGIS, Google Earth Engine, or equivalent
- Background in GIS, remote sensing, geography, architecture, urban planning, archaeology, heritage conservation, or a related field (Master's level or equivalent).
- Ability to read and interpret satellite imagery in heritage contexts: built fabric, landscape, site morphology
- Strong written skills in both French and English
- Ability to work autonomously and adapt quickly in a fast paced environment
- Genuine interest in cultural heritage protection

A strong plus

- Experience with satellite data platforms (Planet, Copernicus, Sentinel Hub, or similar)
- Familiarity with open-source remote sensing and change detection methodologies
- Knowledge of heritage contexts in conflict-affected regions (MENA, Sub-Saharan Africa, South or Southeast Asia)
- Interest or experience in science communication or translating technical findings for broader audiences

WHAT WE OFFER

- A hands-on, operational role in a mission-driven organisation at the cutting edge of satellite technology, AI, and heritage protection
- Access to a unique toolbox of satellite imagery platforms and geospatial analysis environments
- Work alongside a small, expert, international and caring team
- Flexible working arrangements (Paris-based with partial remote work possible)
- Duration: 3 to 6 months, starting as soon as possible
- Compensation: internship grant or freelance day rate, commensurate with experience

HOW TO APPLY

Please send your CV and a short cover letter (max. one page) to jobs@heritagewatch.ai, with the subject line "GIS Analyst & Heritage Specialist".

heritagewatch.ai