

## Deliverable 11.1: Ethics compliance in work performed outside EU

Authors: Mikhail Paramonov

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## 1. Non-EU contribution to ACTRIS IMP

In ACTRIS IMP there are six beneficiaries in countries outside the European Union. These beneficiaries are NILU in Norway, EMPA and PSI in Switzerland, and UKCEH, UKRI and UMAN in the United Kingdom. The ethical and legal risks associated with the operations carried out by these beneficiaries in their countries are estimated to be small, mainly for the following reasons:

1. ACTRIS IMP is a Horizon-2020 funded project. As associated countries in Horizon-2020 both Norway and Switzerland are entitled to Horizon-2020 funding. As of February 2020, so is the United Kingdom, although the exit from EU and associated negotiations are currently taking place. Norway, Switzerland and the United Kingdom all acknowledge the working processes and principles associated with H2020 funding. This includes the Horizon-2020 ethical standards.
2. The final goal of ACTRIS IMP is to form a research institute with a legal entity. Some of the functions of the research infrastructure are planned to be carried out in Norway, Switzerland and the United Kingdom. The legal form of the research infrastructure has been decided to be European Research Infrastructure Consortium (ERIC). This form allows participation of non-EU countries, as long as the country recognizes the legal form and is able to be a member or an observer.
3. The principal investigators (PIs) at NILU, EMPA, PSI, UKCEH, UKRI and UMAN are in charge of ACTRIS actions carried out in their institutes. All ACTRIS IMP beneficiaries, including the six aforementioned ones, have acceded to the ACTRIS IMP Grant Agreement which includes Article 34 on Ethics and Research Integrity. This article obliges all beneficiaries to comply with the ethical principles and applicable national, EU and international laws when carrying out the IMP actions.

## 2. Detailed description of the tasks carried out by the partners in non-EU countries

### 2.1 Norsk Institutt for Luftforskning (NILU)

NILU is a major beneficiary in ACTRIS IMP, with 23 PMs of work funded by the project. As the main role of NILU in ACTRIS IMP is to set up the ACTRIS Data Centre, NILU leads the Task 4.2 “Refinement and implementation of workflow tools for interactions between the Topical Centres, Data Centre and National Facilities”. NILU also leads Task 8.1 “Reinforce cooperation with European Research Infrastructures and e-Infrastructures”. Because of its central role in the Data Centre, NILU also participates in many other tasks with a smaller contribution. NILU is also the contact point between ACTRIS IMP and the Norwegian science community related to ACTRIS. This role will also require participation of NILU in those tasks where the

national science communities are in a major role. More specifically NILU will participate in the following tasks:

- Task 2.1 Refining internal policies and rules, and implementation of legal agreement framework
- Task 2.3 Ensuring financial long-term sustainability
- Task 2.4 Managing risks related to implementation
- Task 3.1 Elaborating the ACTRIS scientific strategy
- Task 4.1 Organising the internal structure and procedures for Central Facilities
- Task 4.2 Refinement and implementation of workflow tools for interactions between the Topical Centres, Data Centre and National Facilities
- Task 4.3 Facilitating the implementation of Central Facility activities
- Task 4.4 Testing the functionalities of the Central Facilities
- Task 6.3 Developing the ACTRIS Catalogue of Services
- Task 6.4 Organizing the ACTRIS user access and services provision system
- Task 8.1 Reinforce cooperation with European Research Infrastructures and e-Infrastructures
- Task 8.2 Compliance with international networks and initiatives, including GEOSS and Copernicus
- Task 8.4 Establishing the global GEO initiative on short-lived climate species
- Task 10.2 Implementing and managing ACTRIS communication tools and means

## 2.2 Eidgenössische Materialprüfungs- und Forschungsanstalt (EMPA)

EMPA will be involved in the installation and implementation of the Swiss node of the Central Facility (CF) for trace gases (CiGas). EMPA will also contribute to expanding the network, both in existing ACTRIS countries and in new countries (e.g. in Eastern Europe), and, as such, is the leader of the task 5.2 “Support for new National Facilities and Regional Partner Facilities”. In this role EMPA will be funded from ACTRIS IMP for 4 PMs, participating in the following tasks:

- Task 4.1 Organising the internal structure and procedures for Central Facilities
- Task 4.3 Facilitating the implementation of Central Facility activities
- Task 5.2 Support for new National Facilities and Regional Partner Facilities
- Task 8.2 Compliance with international networks and initiatives, including GEOSS and Copernicus

## 2.3 Paul Scherrer Institut (PSI)

PSI is the Swiss contact point between ACTRIS IMP and the national ACTRIS-related science community in Switzerland. PSI is funded within ACTRIS IMP for 2 PMs, and will participate in a minor role in the following tasks:

- Task 3.1      Elaborating the ACTRIS scientific strategy
- Task 5.1      Implementation of the ACTRIS National Facility labelling process
- Task 5.3      Connecting the National Facilities to ACTRIS operations and workflows

## 2.4 UK Centre for Ecology & Hydrology (UKCEH)

UKCEH will contribute directly to WP5. UKCEH is funded within ACTRIS IMP for 1 PM, and will participate in a minor role in the following tasks:

- Task 5.1      Implementation of the ACTRIS National Facility labelling process
- Task 5.3      Connecting the National Facilities to ACTRIS operations and workflows

## 2.5 UK Research and Innovation (UKRI)

UKRI's most significant contribution will be to WP4, with a minor contribution to WP9. UKRI is funded within ACTRIS IMP for 3 PMs, and will participate in a minor role in the following tasks:

- Task 4.1      Organising the internal structure and procedures for Central Facilities
- Task 4.3      Facilitating the implementation of Central Facility activities
- Task 9.4      Fostering partnership with the private sector in ACTRIS

## 2.6 University of Manchester (UMAN)

UMAN will contribute to the national coordination of ACTRIS UK activities and will provide a node of the Cloud in situ Topical Centre as part of WP4. UMAN is funded within ACTRIS IMP for 6 PMs, and will participate in a minor role in the following tasks:

- Task 1.2      Connecting national ACTRIS consortia to Pan-European ACTRIS
- Task 3.1      Elaborating the ACTRIS scientific strategy
- Task 4.1      Organising the internal structure and procedures for Central Facilities
- Task 4.3      Facilitating the implementation of Central Facility activities
- Task 4.4      Testing the functionalities of the Central Facilities