



UK SPACE
AGENCY

The International Partnership Programme (IPP)

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<http://www.bis.gov.uk/ukspaceagency>

International Partnership Programme (IPP)



- **IPP: £152 million (approx £30 million p.a.)**
 - **5 years**
 - **Global Challenges Research Fund: £1.5 billion**
 - **Aid budget**
- **The aim of IPP is to address real issues faced by emerging economies, by running projects which deliver tangible and lasting impacts on the ground using satellite solutions**
 - **Projects lead by the best of the UK's world class research and innovation sector**
 - **New markets**

Why Space?



Remote regions

Large areas



Extreme conditions

Global coverage



IPP Mechanism

- **Call-for-proposal awards system**
 - **anyone can bid**
 - **independent selection process**
 - **Only the best project selected**
 - **Open, Strategic or Tactical call**



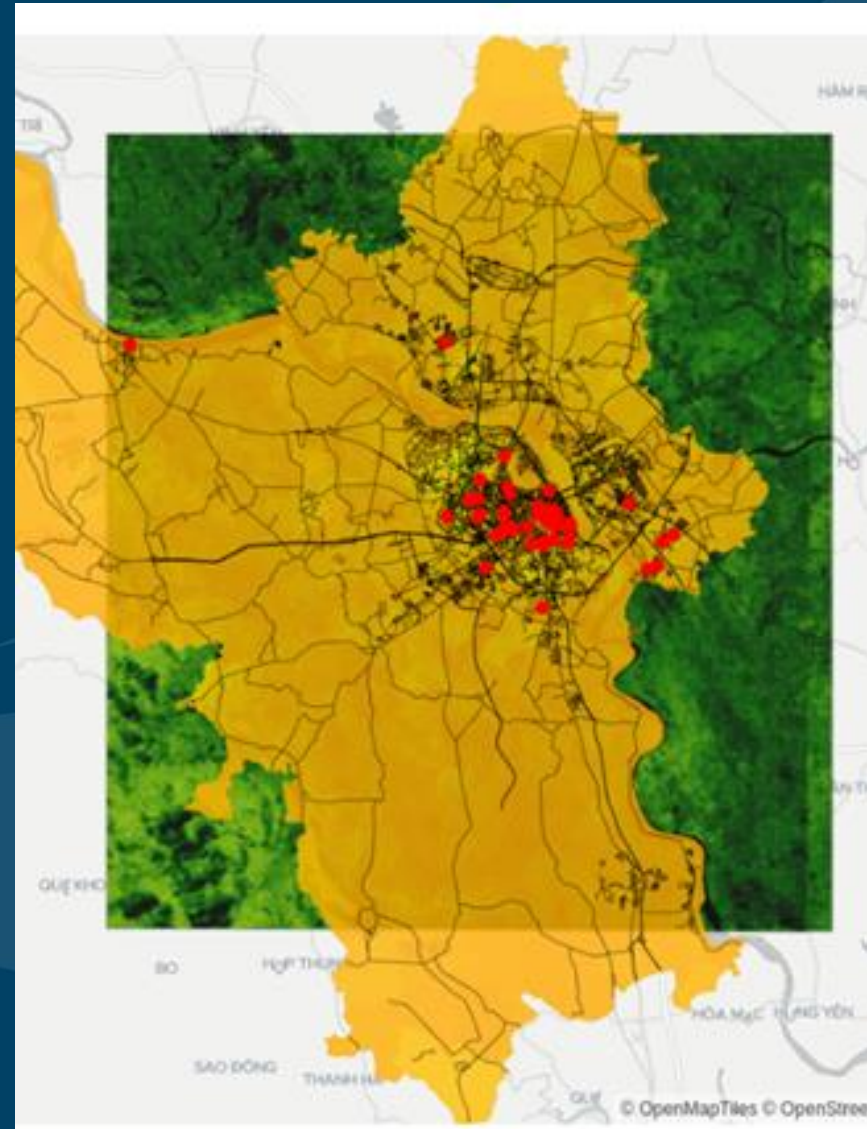
International Partnership Programme

➤ Call 1

- 56 proposals
- 22 projects funded
- £70M grant
- >£100M project value

➤ Call 2

- 53 proposals
- 10 projects announced
- ~£50M grant
- Announced 8th Feb



IPP funding

- **All projects have to show:**
 - **Match funding (50% - 80% grants)**
 - **International partner contributes**
 - **Tangible benefits on-the-ground + capacity building**
 - **Sustainable solution**
 - **Monitoring and evaluation –Caribou Digital**

Importance of Sustainability

- We review and score all bids on their sustainability plans
 - each project must have a sustainability Work Package
- The sustainability plan must include 'hard' milestones' on reaching a sustainable project
 - i.e. commercial model or government/partner funded
- The milestones are reviewed regularly by UKSA/Caribou

30 countries in Americas, Africa, Asia & Pacific



IPP Project topic areas

Agriculture



Humanitarian



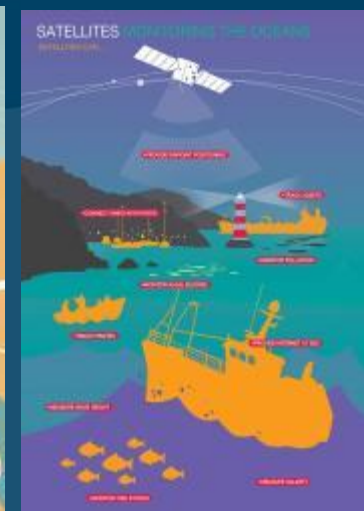
Finance



Health



Insurance



Cities

Environment

Energy

Planning

Oceans

New Projects (Call 2)

- HR Wallingford
 - Warning of dengue fever outbreaks
 - Vietnam
- British Geological Survey:
 - Modelling population hazard exposure
 - Nepal & Tanzania
- eOsphere: SIBELIUs
 - Providing accurate insurance
 - Mongolia
- Rothamsted Research:
 - Rice and oil palm growing efficiency
 - Colombia
- CGI
 - Peatland assessment and fire warnings
 - Indonesia and Malaysia
- HR Wallingford
 - Monitoring failures in tailings dams
 - Peru
- UN Institute for Training and Research:
 - Improving resilience to climate change
 - Fiji, Solomon Islands, Vanuatu
- Sat Aps Catapult:
 - Monitoring illegal gold mining
 - Colombia
- Earth-i:
 - Improving coffee yield for smallholder farmers
 - Kenya & Rwanda
- Janus:
 - Monitoring illegal fishing
 - Philippines

New Projects (Call 2) examples

- eOsphere
- Satellite Index BasEd Livestock Insurance (SIBELIUs)

Improved resilience for Mongolian herding communities using satellite derived services for insurance.



New Projects (Call 2) examples

- HR Wallingford
- An integrated dengue early warning system driven by Earth Observations in Vietnam



Enables advance warning of likely dengue outbreaks, allowing public health authorities to mobilise resources to those most in need.

Reducing the Impact of Natural Disasters by using Satcoms

Project Lead: Inmarsat

Target Country: Philippines



Summary: Improving disaster response through the deployment of Inmarsat's Global Xpress (GX) satellite equipment at disaster areas.

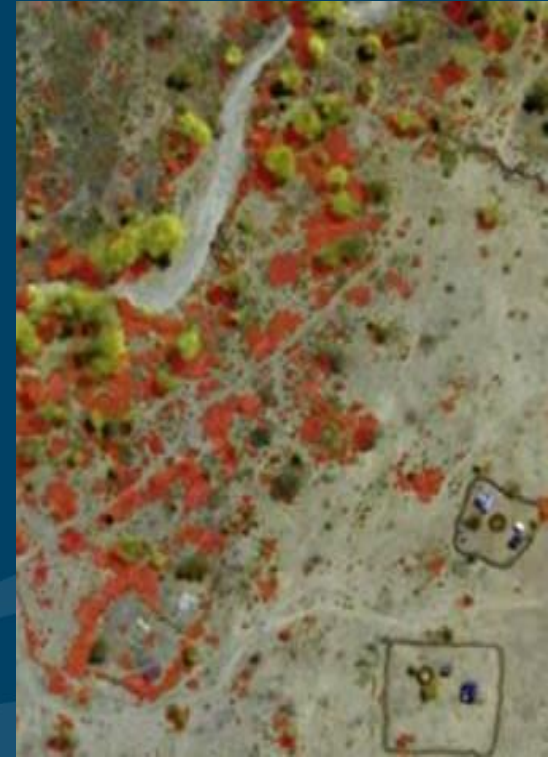
This provides the national coordinating authority with the infrastructure to run national and local disaster response communications, at scale, when terrestrial systems are down.

Pest Risk Information Service

Project lead: CAB International

Target country: Zambia, Kenya, Ghana

Topic: Crop loss from pests



Summary: PRISE will create a pest risk forecasting system based on Earth Observation and Plantwise data with the aim of providing risk forecasts and early warnings in time for smallholder farmers to take preventive action, increasing their resilience to pest outbreaks.

Earth and Sea Observation System (EASOS)



Saving lives | Preserving nature | Enabling Government



Project Lead: Satellite Applications
Catapult

Target Country: Malaysia

Target Area: Disaster resilience,
Forestry, Maritime

Aims:

- Reduce marine pollution in the Malacca Straits.
- Reduce the social and environmental impact of illegal logging and increase the economic benefit from legal logging
- Reduce the economic and social cost of flood events.

How can you get involved?

➤ Future calls for proposals

- **Call 3 estimated to launch in second half of 2018**
- **Announced via UKSA website and IPP Basecamp Collaboration site**
- **Targeted calls on specific problem statements**
- **Joined up with other government organisations**

Contacts / Resources

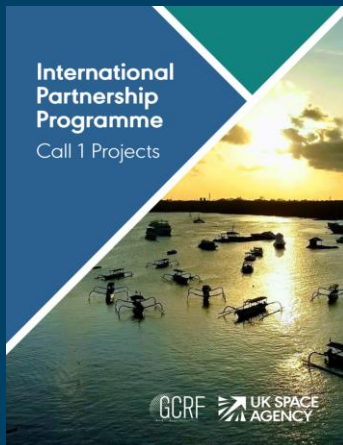
➤ IPP email

IPP@ukspaceagency.bis.gsi.gov.uk

➤ IPP Basecamp Collaboration site

Email IPP team and ask to be added to Basecamp

➤ IPP brochure



Thank you for your attention