

# Biodiversity programs and the pilot assessment of ecosystem services.



BU Peru

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Repsol. HSE. March/2015.

## 1. Block 57 in Peru

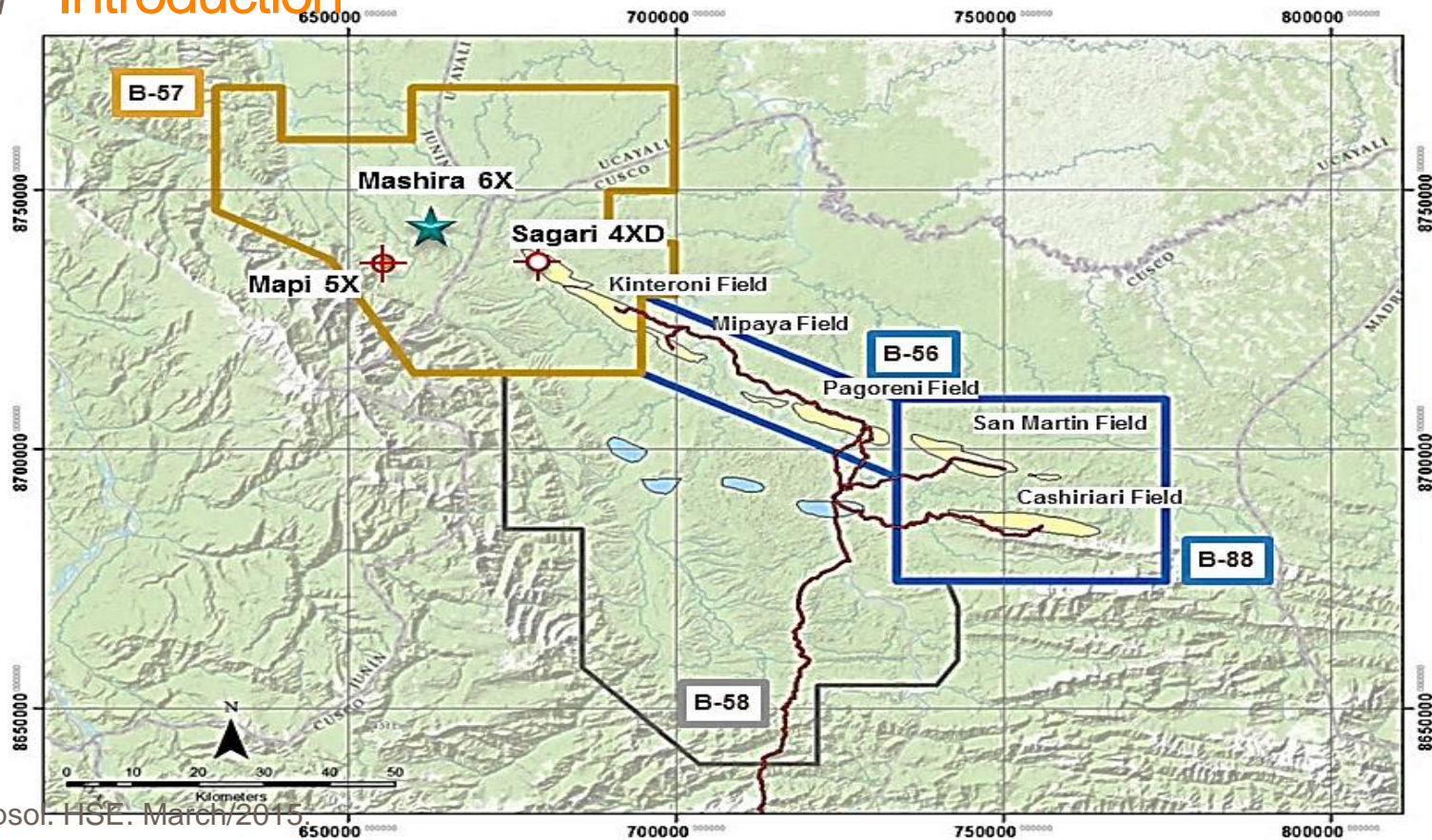
## 2. Biodiversity Management. BU Peru

- Key Objectives
- Project approach. Environmental Impact Assessment
- Ecosystem Approach (BAP and BES)
- Ecosystem services approach benefit
- Biodiversity mitigation and enhancement measures
- Biodiversity and Ecosystem services pilot



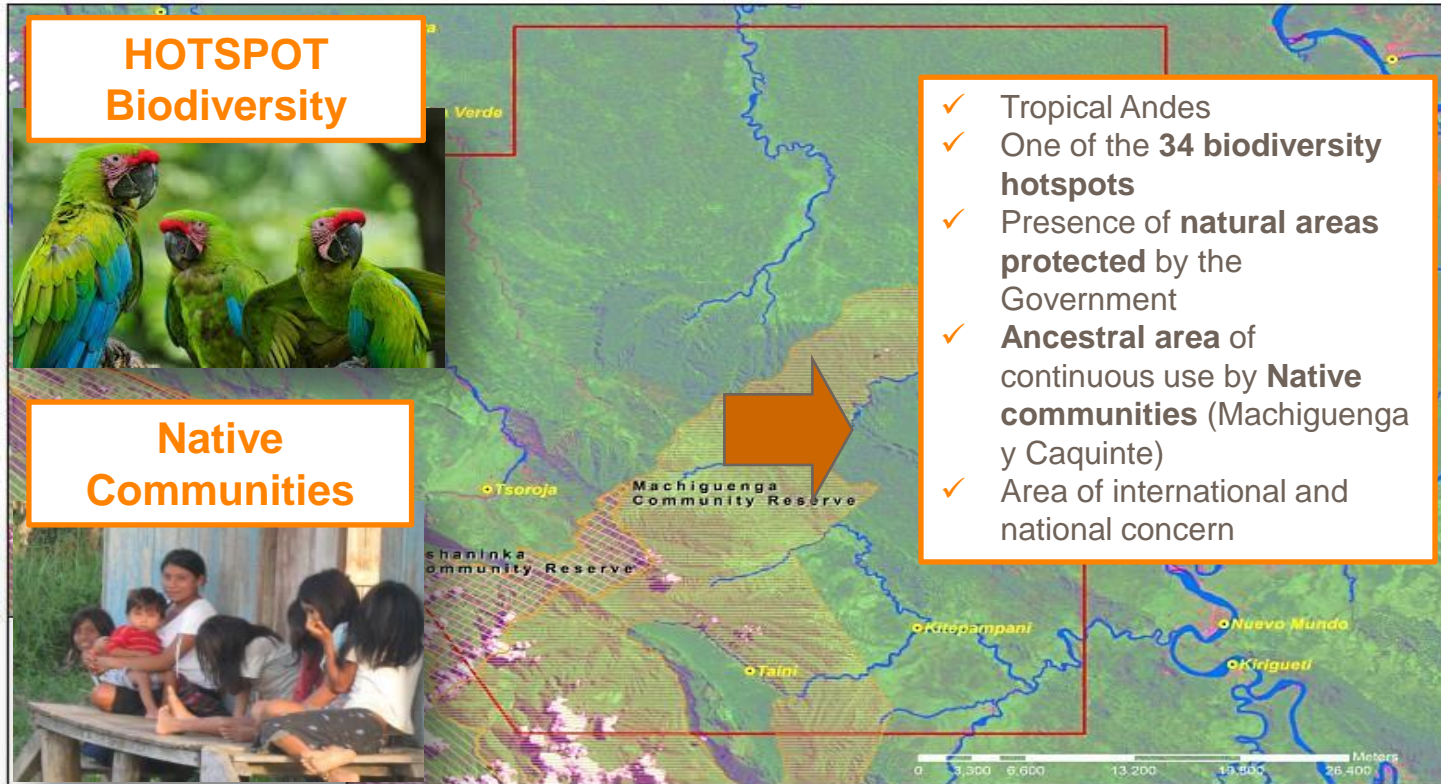
# 1. Block 57 in Peru

## Introduction



# 1. Block 57 in Peru

## Challenges



## 2. Biodiversity Management BU Peru

### Key Objectives



#### KEY OBJECTIVES OF BIODIVERSITY MANAGEMENT IN PERU IN LINE WITH CORPORATE POLICY

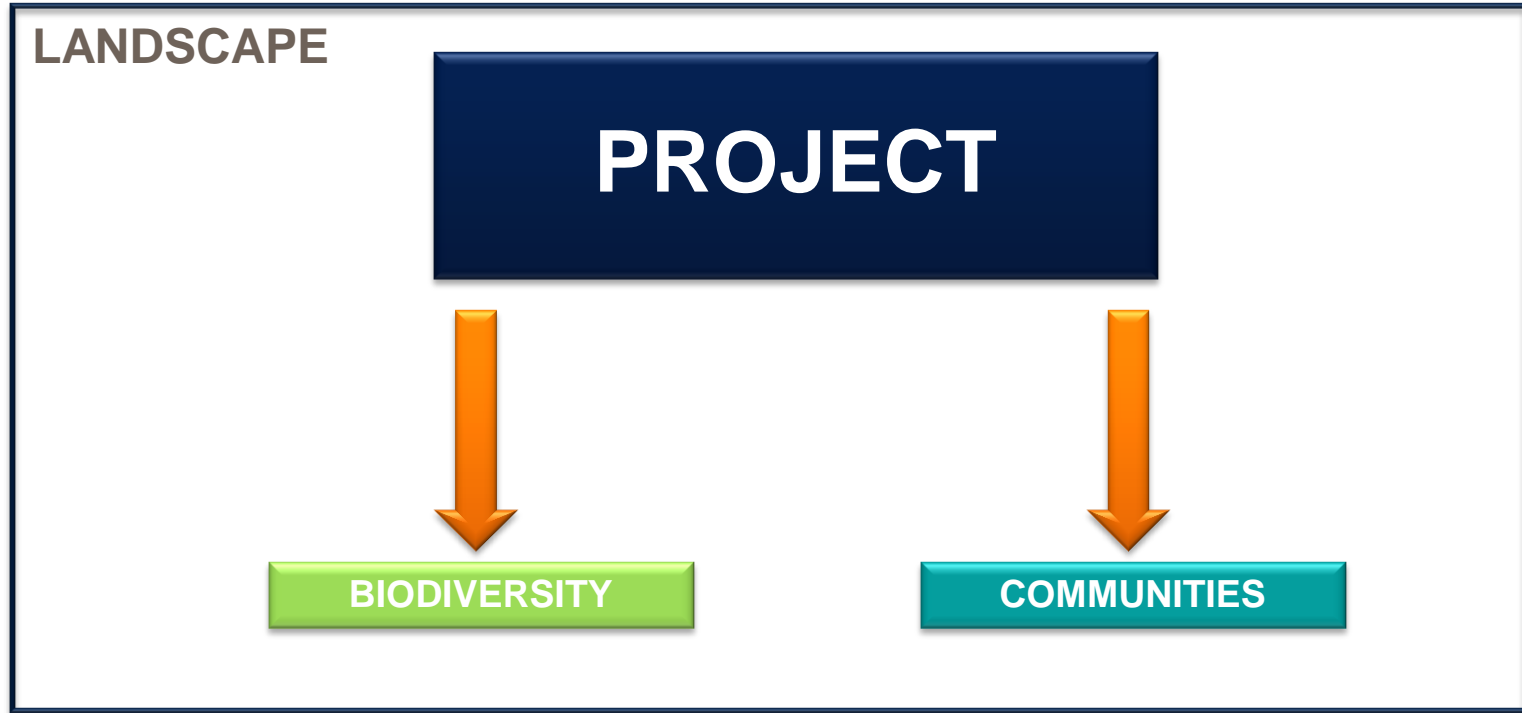
- ✓ Building a culture of care and protection of biodiversity in our operations.
- ✓ Assess biodiversity impacts beyond projects life and area.
- ✓ Distinguish short-term fluctuations long-term trend.
- ✓ Increase knowledge on biota, their interactions and possible threats.
- ✓ Develop ecosystem services approach.
- ✓ Contribute to the scientific community, local communities and government agencies.





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### Project approach. EIA



## 2. Biodiversity Management BU Peru Ecosystem Approach (BAP and BES)





## 2. Biodiversity Management BU Peru

### Ecosystem services approach benefit

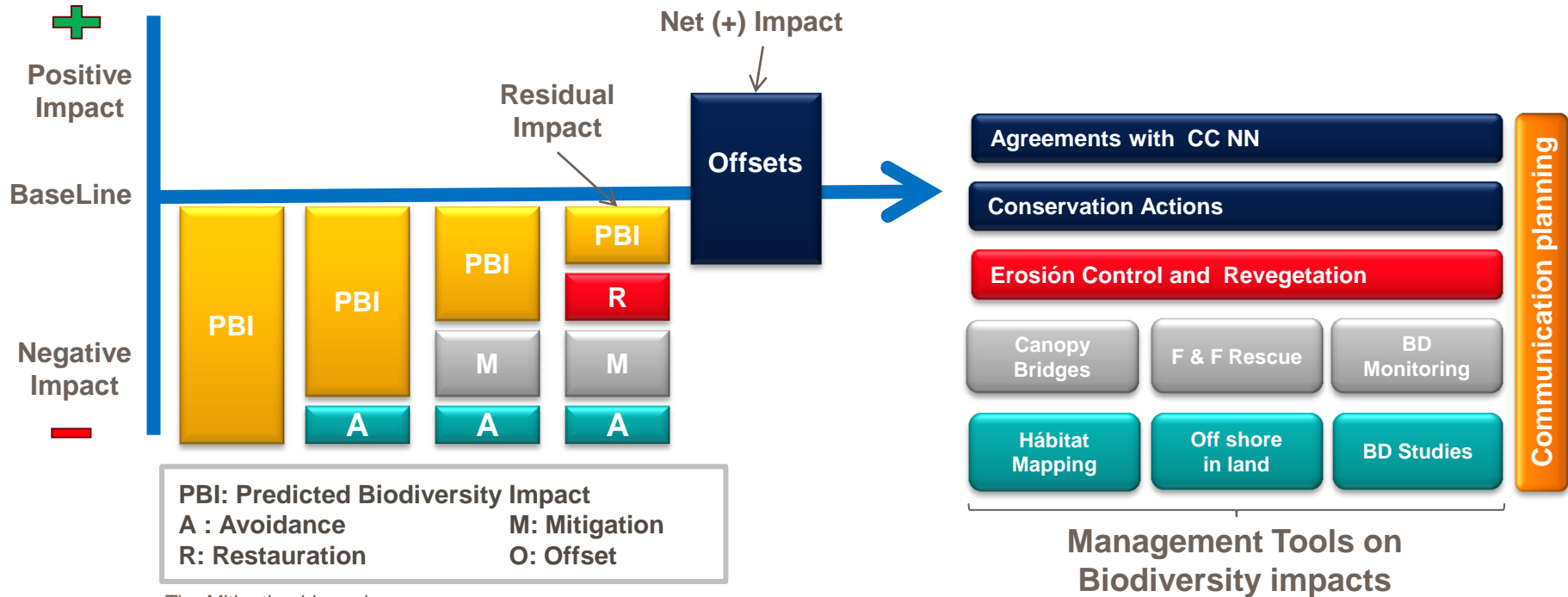


- ✓ Allows us to understand more holistically the environments where we operate and integrating ecological, social and economic considerations.
- ✓ Evaluate trade-offs that affect different ecosystem services and stakeholders;
- ✓ Assess oil and gas dependencies that may otherwise be overlooked (e.g. use of water, and reliance on flood control);
- ✓ Identify impacts (particularly on natural regulating services) that may otherwise be missed.



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### Biodiversity mitigation and enhancement measures



The Mitigation hierarchy  
Source: adapted from Rio Tinto, 2009

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### Biodiversity and Ecosystem Services pilot



- ✓ Fauna & Flora international (FFI) works with the private sector to build long –term strategies for enviromental management
- ✓ **Methodology applied: WBCSD+IPIECA+ IFC PS6**

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### Biodiversity and Ecosystem Services pilot



#### Actions

- ✓ This project is an innovative approach to understanding threats to the ecosystem services that people depend on across a landscape.

#### Results

- ✓ Repsol is working with Fauna & Flora international at Repsol Sagari Project to identify:
  - which ecosystem services the project directly depends on
  - which ecosystem services the project's activities are likely to affect and how this could, in turn, affect local communities. To do so, the company's recently commissioned social and biodiversity baselines have been reviewed, project operations have been visited, and a multi-disciplinary workshop with key staff has been conducted.
- ✓ The study has provided a number of **recommendations** that aim at strengthening Repsol's environmental systems to incorporate ecosystem services reviews.

#### Next Steps

- ✓ **The result and learning** from this project undertaken for Peru are feeding into Repsol's management system.

**THANK YOU**





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