

# BIOTROPICAL RESOURCES GHTM/IHMT NOVA BIOBANK

# Biobanking African Pediatric Upper Respiratory And Gut Microbiomes

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## BIOTROP BIOBANK BIOTROPICAL RESOURCES (BIOTROP) mission

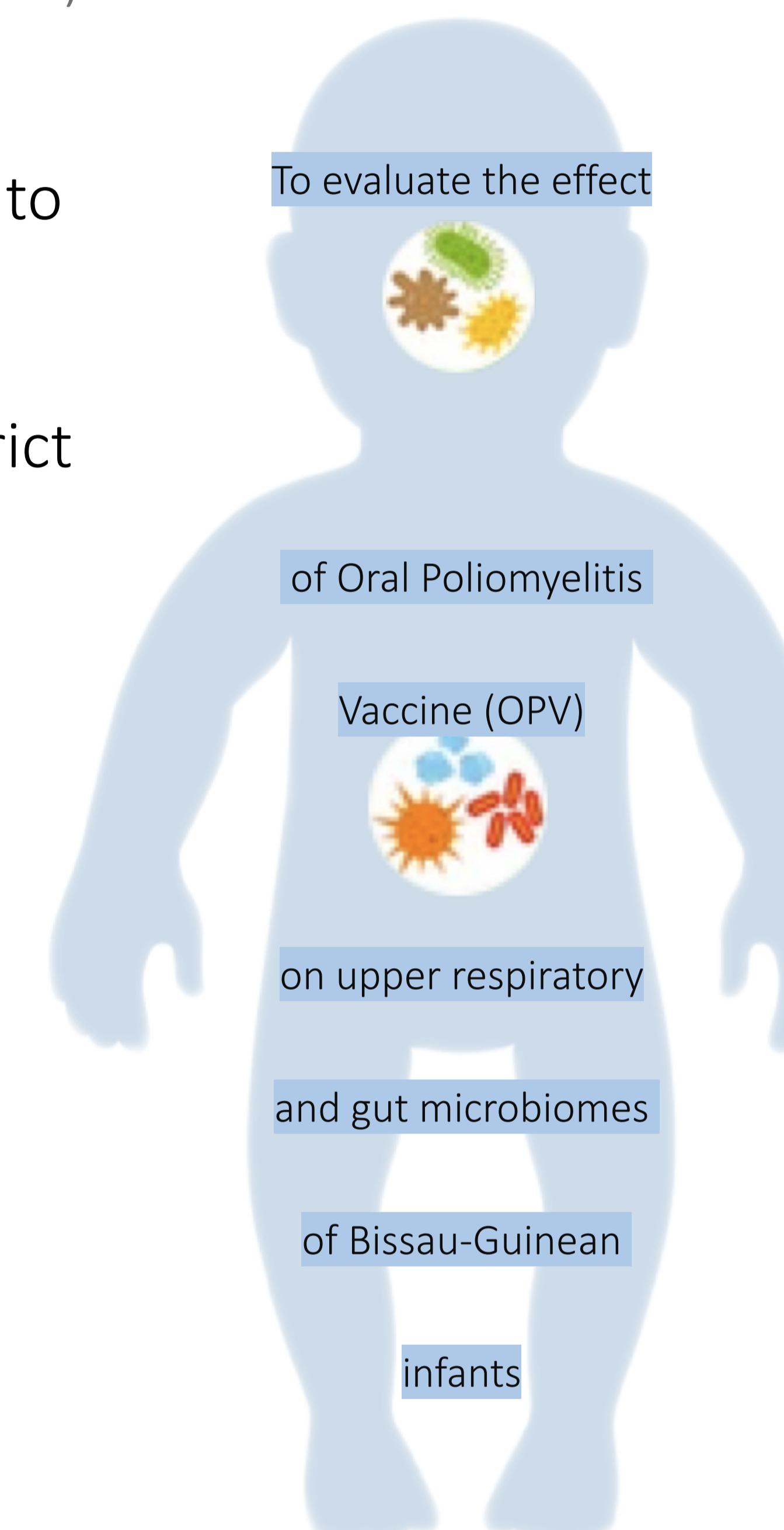
To provide high quality biological material to support research on infectious diseases, following good laboratory practices and standard operating procedure (SOP), in strict compliance with ethical and legal frameworks.



## BEST PRACTICES SAMPLE BIOBANKING ethical & legal

- [Human Microbiome Best Practices](#)
- [Good Clinical Practice Guidelines](#)
- [ISBER Best Practice 2018](#)
- [OEBC Best Practice for BRC 2008](#)
- Project and Informed Consent  
Approved by Guinea-Bissau National Health Research Ethics Committee Ref 038/CNES/INASA/2018

### Pilot Study Micro-OPV POSTER ID 197



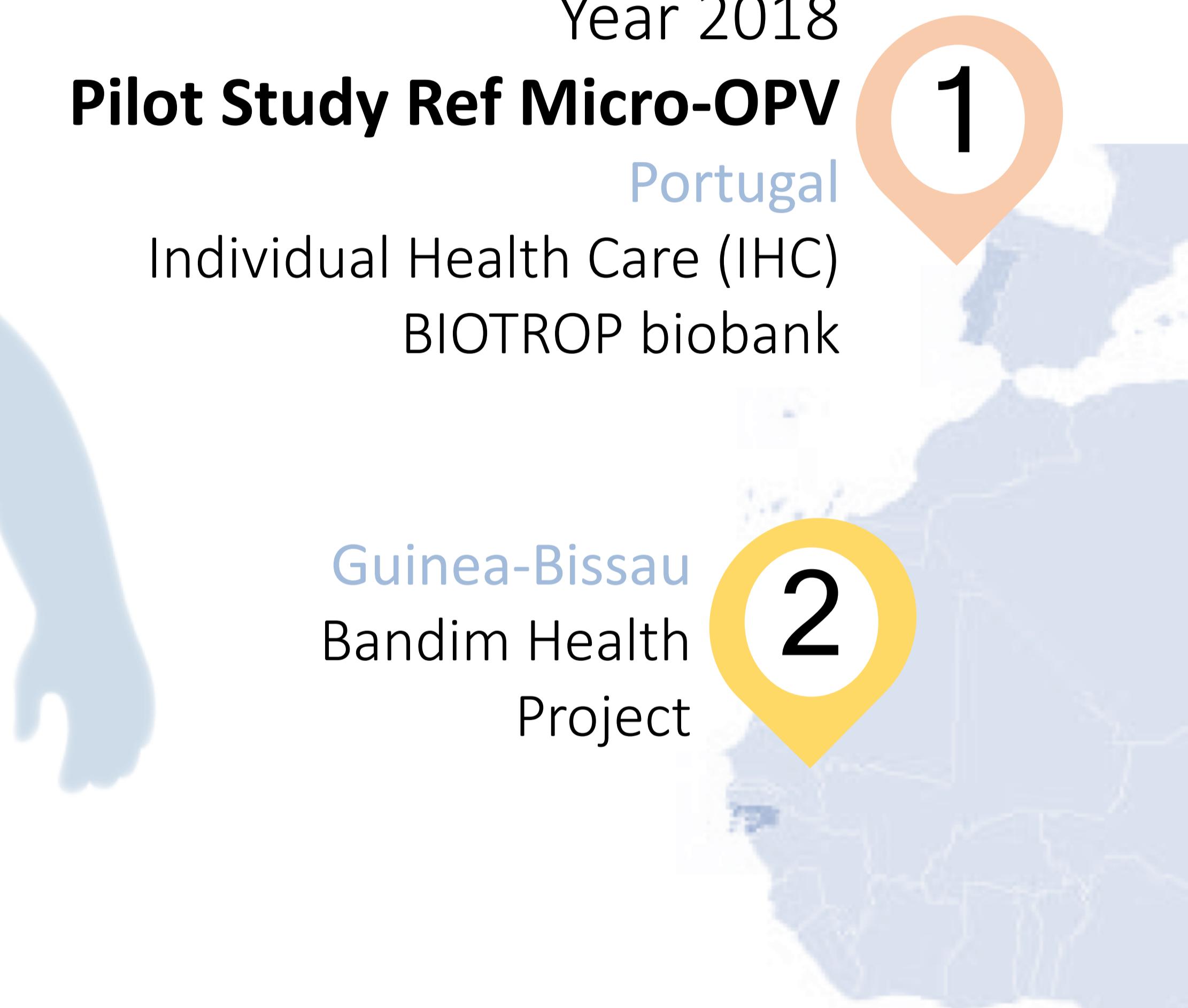
## COLLABORATION

BIOTROP SOPs AND SAMPLE STORAGE  
three partners | two countries

Year 2018  
Pilot Study Ref Micro-OPV

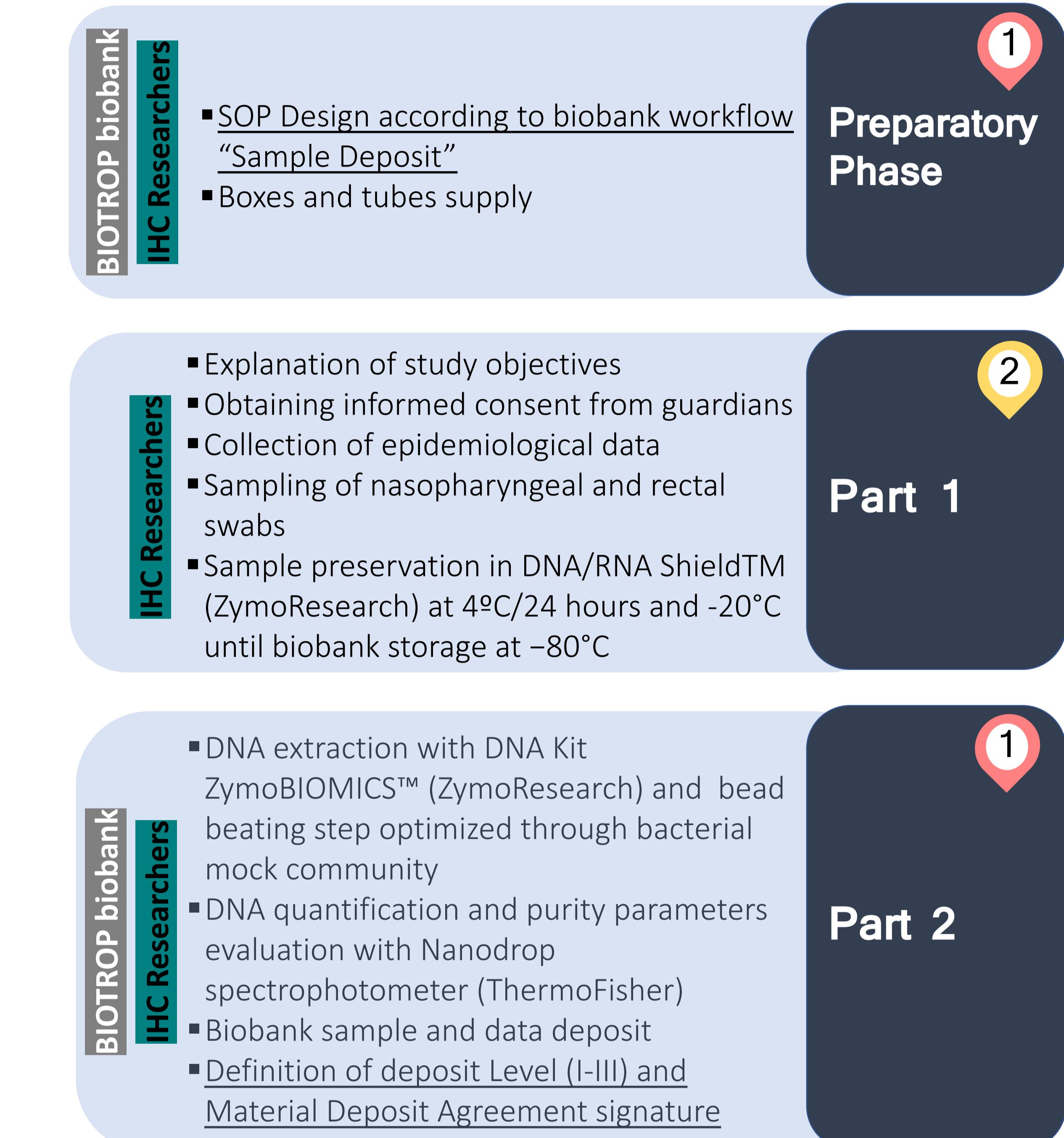
Portugal  
Individual Health Care (IHC)  
BIOTROP biobank

Guinea-Bissau  
Bandim Health  
Project



## FLOWCHART

FROM SAMPLING TO BIOBANK  
data and samples



## AVAILABLE RESOURCES

### DATA clinical and epidemiological

**118**  
recruited infants (visit 1)

**97**  
followed-up infants (visit 2)

### SAMPLES vaccinated and non-vaccinated

**raw material**  
**215**  
nasopharynx

**215**  
faecal

**DNA**  
**215**  
upper respiratory microbiome

Average DNA yields: 30.3 ng/uL  
A260/280: 1.88

**215**  
gut microbiome

Average DNA yields: 61.4 ng/uL  
A260/280: 1.92



Well characterized African pediatric microbiome collection and associated clinical & epidemiological data

A VALUABLE RESOURCE TO SUPPORT FUTURE RESEARCH PROJECTS