

MIABIS 2.0

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WP7 Partners: KI, IARC, SU, IHVN, MU, MUG

Use cases: Ghana, Kenya, Lithuania, Nigeria,
Poland, South Africa, The Gambia, Uganda



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Topic 1

Challenges Accessing and Sharing Bio-Resources



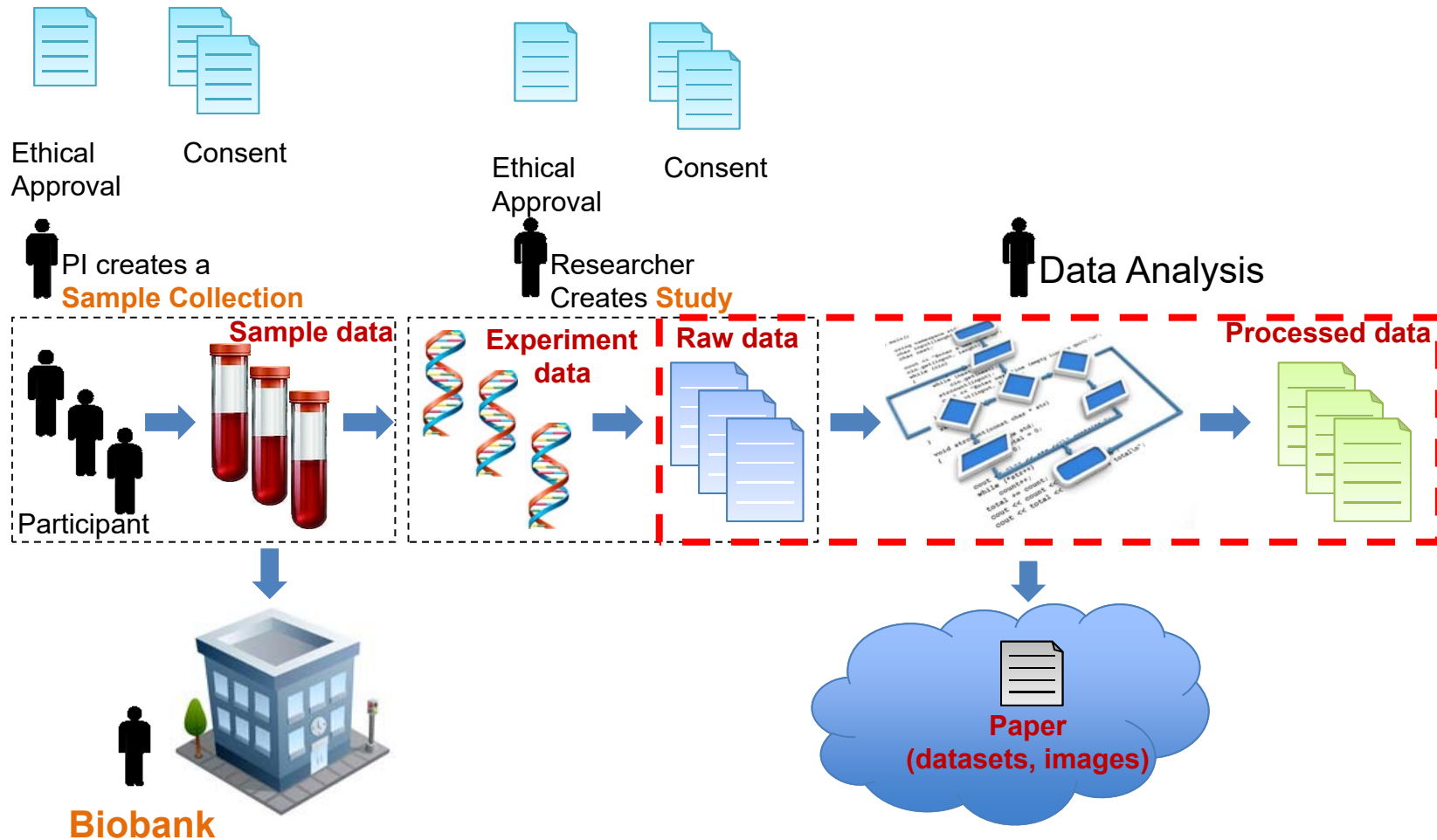
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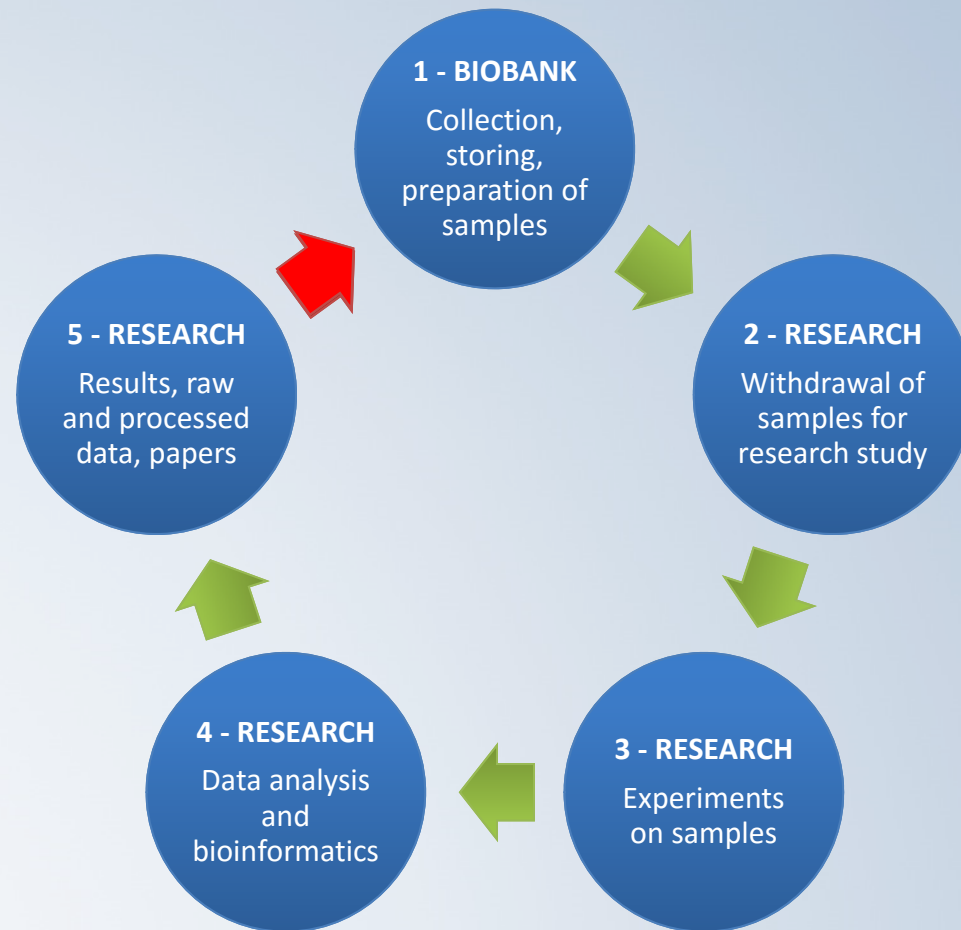
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Bio-resources





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To share or not to share?



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Challenge #1

Bio-resources globally uniquely identified

- Biobank
- Sample Collection
- Study
- Sample
- Dataset
 - Raw data
 - Processed data
- Instruments
- Papers



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(BRIF project: <http://www.p3gconsortium.org/brif-bioshare-pilot-study>)

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Challenge #2

Harmonization of bio-resource representation

- Heterogeneous data representation
 - Biobank level
 - Research level
- Heterogeneous software tools
 - Standards poorly represented in research software
 - Standards are not consistently used



Challenge #3

Use of Standards in the research process

- Non existing
- Too many
 - <https://biosharing.org/>
 - <http://bioportal.bioontology.org/>
 - <http://gensc.org/>
- Lack of consensus about using standards
 - Which, when, how



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Challenge #4

Personal data protection

- Biobank data
 - sample collection participant
 - Aggregated or anonymized data
- Research data
 - Study participant
 - Experiment data
 - Genomic data
- New paradigms for data sharing
 - LinkedData, FAIR principles



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