Biodiversity Conservation *In Situ*: Biosphere - Biomes - Ecosystem - Habitat

Conservation *Ex Situ* in Reserves, Field Collections, Arboreta, Botanical Gardens, Zoos

**Preservation & Conservation *Ex Situ* in Biorepositories**

- **Biorepository Typography & Function**

**Dimension 1 - Diversity**
- **End User Fitness for Purpose**
  - **Museum Collections**
    - **Dry Collections**
      - skins, bones, dry/pinned arthropods
      - feathers, herbarium sheets
    - **Spirit Collections**
    - **Frozen Collections**
      - tissues, cells, organs, organisms, subcellular extracts, DNA RNA, proteins
    - **Scientific Collections**
      - Research, Taxonomy
      - Type, Voucher Specimens

**Dimension 2 - Functionality**
- **End User Fitness for Purpose**
  - **Living Collections**
    - **Biobanks**
      - Environmental Biobanks
    - **Genebanks**
      - *In Vitro* Genebanks
      - *In Vitro Active* Genebank
      - *In Vitro* Base Genebank
    - **Sperm, Pollen, Seed Banks**
    - **Cryobanks**
      - Vaults
    - **Biological Research Centres** (BRCs)
    - **Culture Collections**
      - Working, Master

**Dimension 3 - Time**

**Sustainable Use & Conservation**
- **Biological & Genetic Resources**
  - Type, Reference Strains