Making the best use of antibiotic consumption data!

1. **Data consistency**
   - Check relevance and track errors in antibiotic quantities collected (units, number of defined daily doses) & administrative activity data (patient-days, admissions)

2. **Trends monitoring**
   - Compare data to previous results, taking into account changes in clinical activity, in therapeutic strategies, in patient case-mix

3. **Benchmarking**
   - Compare your local data to data from other hospitals, other similar wards to identify differences

**Clinical activities**
- ICU, onco-haematology, infectious diseases wards (high use of antibiotics)...

**Prescribing habits and antimicrobial stewardship programmes**
- Existence of local guidelines, restricted antibiotics, computerized aid-decision tools...

**Make sense of consumption data considering factors driving antibiotic use**

**Patient case-mix**
- Children, patients with renal impairment, cystic fibrosis...

**Bacterial ecology**
- Antimicrobial resistance incidence, occurrence of outbreaks...

**Objective**
- To improve patient safety

**Update guidelines and train professionals**
- Develop aid-tools to improve diagnosis and prescribing

**Assess practices and ensure feedback to prescribers**

**AND prevent infections through immunization & infection control**