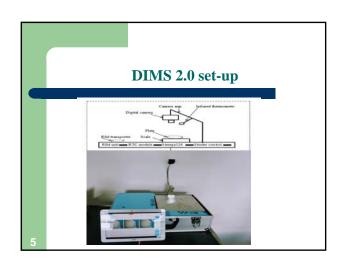
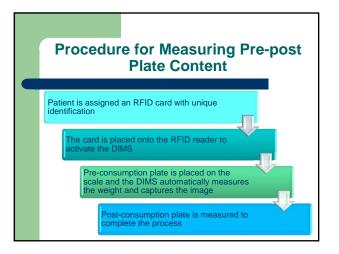
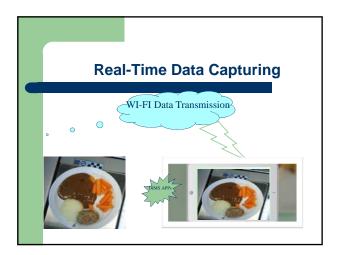


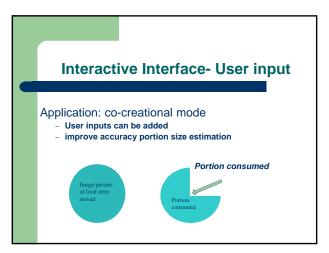
The DIMS was developed in the "technology track" of the FoodServInSPIRe project. ICT enhanced device to overcome the drawbacks of the traditional methods of dietary assessment in hospital. The DIMS 2.0. was used to investigate the impact of a new patient meal serving system on food intake and waste.

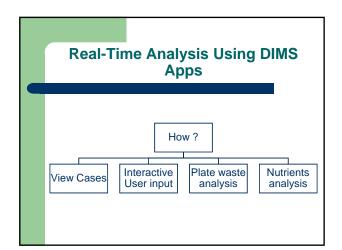


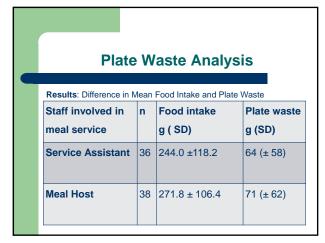
Methods Study setting Medical & surgical wards. Sweekdays in the pre & post intervention phase Intervention Pre: Service Assistant & Post: Meal Host DIMS 2.0 Collect 74 paired before and after photos & weight of plate Ethical consideration Patients gave oral consent







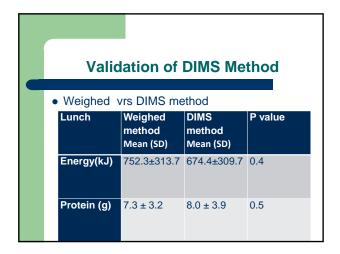






Nutrient Intake Analysis

- Reference weight /portion size of food item served
- Visual technique to estimate portion size
- Validate visual estimated total weight = DIMS total weight
- Adjust for under or over estimation
- Automatic conversion of portion size into nutrients



Conclusions DIMS 2.0 facilitates a real-time monitoring of patients dietary intake and plate waste. Allows an investigator to have a quick and accurate overview of a patient with inadequate food intake. Relying on Meal host prior knowledge in nutritional care did not have impact of patient food intake and plate.

