A Personal Dosimetry system in a box

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Objectives

• To provide a complete dosimetry system that:
  – Does not rely on sophisticated services.
  – Is highly reliable / Low maintenance.
  – Is easy to operate.
  – Complies with International standards.
  – Suitable for small numbers (low automation)
  – Is easy to transport

• Based on existing systems
  – Well characterised (cf IEC/ISO standards)
  – Good back-up
Inside the box....
The dosemeter - InLight

- Optically Stimulated Luminescence (OSL)
  - Widely used worldwide
  - Re-readable
  - Easily read
- Reusable components
- QC's and Calibrations
Reporting

- Simple reporting system on Laptop
- Export data to external data base
…..thinking outside the box.

- Delivery
- Training
- Support
- Intercomparisons
- Audits

Ongoing Maintenance

- How to run service
- Technical aspects of the system
- Quality Assurance
- Accreditation
- Routine maintenance
Other aspects

- **Documentation**
  - Type testing and performance
  - Manuals, instructions and operating procedures
  - Quality Assurance

- **Training**
  - Can be done in-house or at location

- **Support**
  - Return of equipment to maintenance hub
  - Telephone / e-mail / skype
  - Re-assessment of dosemeters
Experience

- Chad
- Gabon
- Afghanistan
- Pakistan
- Cameroon
- Seychelles
- Eritrea
- Mauritania
- Benin
- Mauritius
Thank you