SMASS Database

A very brief and very quick overview
SMASS Data – the story so far

- Strandings in Scotland since 1992
- Baseline + Necropsy Data entry into UK wide CSIP
  - Plus some extras
- Separation of schemes requirement for database development
  - Glasgow University Software Services (GUSS)
- Development & user journey
  - Considerations for discussions later this morning
• **Opportunistic surveillance**
  - Phone
  - WhatsApp/Text
  - Email
  - Social media (Facebook/Twitter)
  - Beachtrack App

• **Triage**
  - Subset necropsy
  - Sample/measured by trained volunteers
  - Data point – no action

• **Minimum; what, where, when**
  - Photographs!!

• **Maximise information**
  - Sex, measurements, etc - photographs
  - Volunteer network
Necropsy & Sampled cases

• Generates additional data + samples
  • Nutritional condition & blubber thickness
  • Morphometric data (weight, length, girth)
  • Gross pathology on all organ systems

• Samples
  • Cause of death (histo & bact)
  • Life history (age&maturity, stomach contents)
  • Specific research projects
  • Routine suite of tissues for later processing/studies
SMASS Database

- PostgreSQL
- Object – relational database
- Opensource
- Easy connections with other software platforms
  - R, Python, QGIS, etc
- Easy data dashboarding capabilities
- Collection of tables
- Unique identifier (Primary KEY) links data
- Easy import/export
- Add tables/expand database
- Add “flags” for sensitive data
SMASS Database

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**Basic Information**

- **Vendor:** [Vendor Name]
- **Address:** [Address]
- **Phone:** [Phone Number]
- **Email:** [Email Address]

**SMASS Master Overview**

- **Gross PM Data**
- **Age & Maturity**
- **Bacteriology**
- **Histology**
- **Virology**
European Database

- Ecologically relevant scale
- Timely identification of UME’s
  - Threats and pressures
- Support harmonisation of data collection
- Promote collaboration
Thank you.