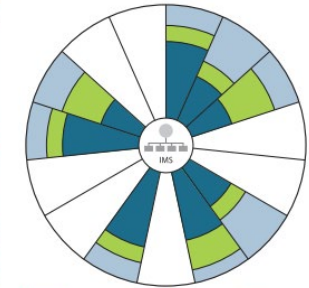
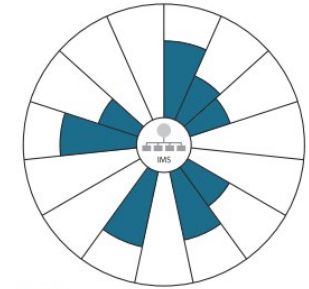
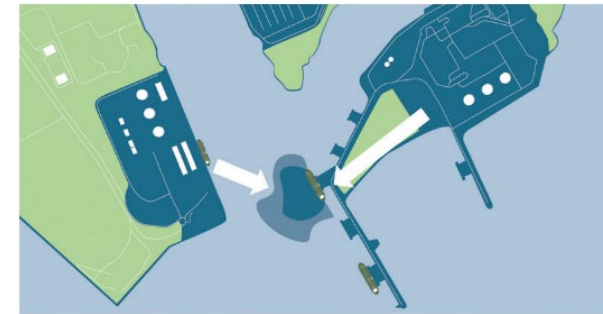
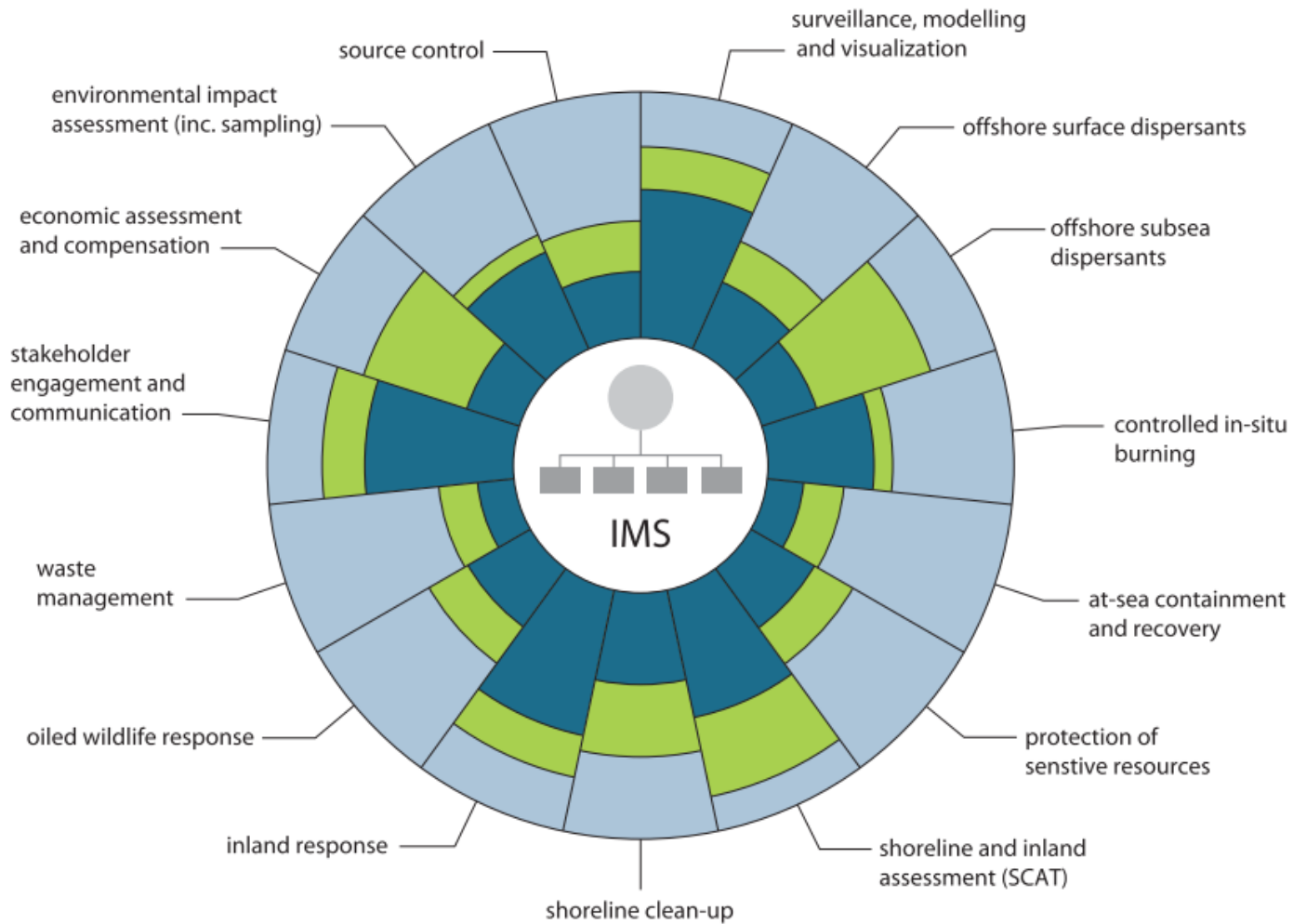


Harnessing ArcGIS Online for Oil Spill Response

Esri European Petroleum GIS Conference
Liam Harrington-Missin
31-Oct-2018

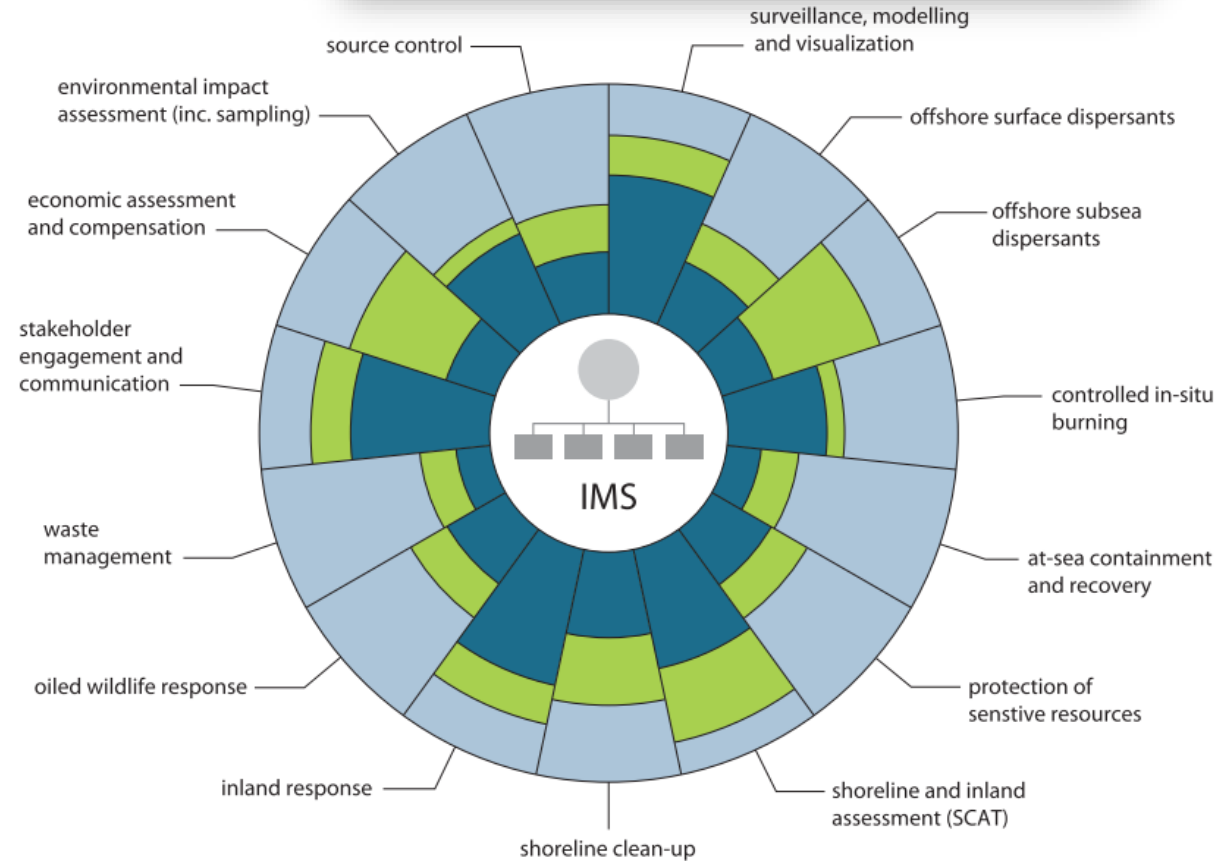
What is Oil Spill Response?



Modified from IPIECA, & IOGP. (2015). *Tiered Preparedness and Response*. IPIECA/IOGP Oil Spill Response JIP. Retrieved from <http://www.ipieca.org/resources/>

What is OSRL Geomatics trying to Achieve?

Data to Decision




Our AGOL Journey So Far

Field Mobility



Decision Support



Data Management



Sharing & Collaboration




Monitoring



Design & Planning



Analytics



Constituent Engagement



Mapping & Visualization

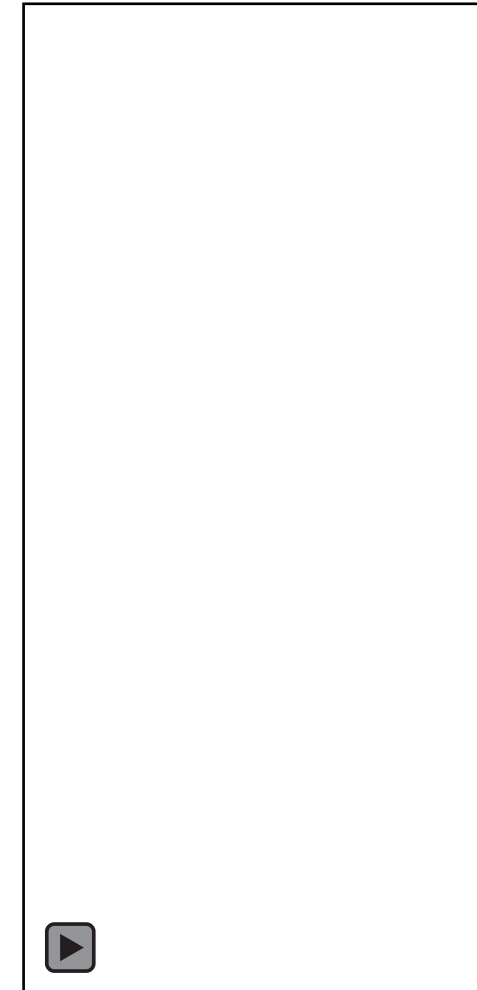
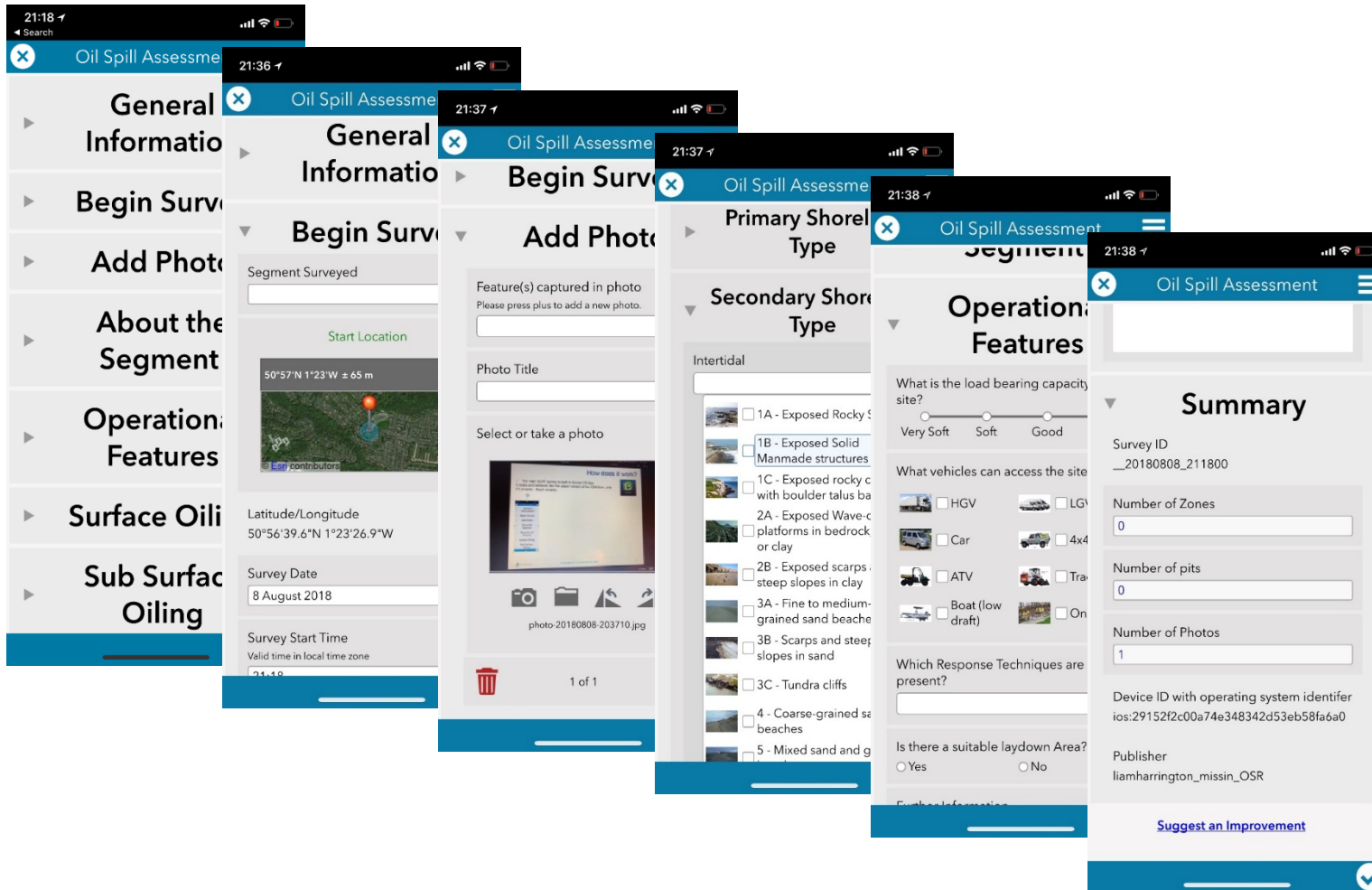


Modified from Esri. (2018). Architecting the ArcGIS Platform: Best Practices. *Esri White Paper*, (May). Retrieved from <https://www.esri.com/~media/Files/Pdfs/products/arcgis-platform/architecting-the-arcgis-platform>

Shoreline Field Data Collection

Survey123

Field Data Collection Using Survey123

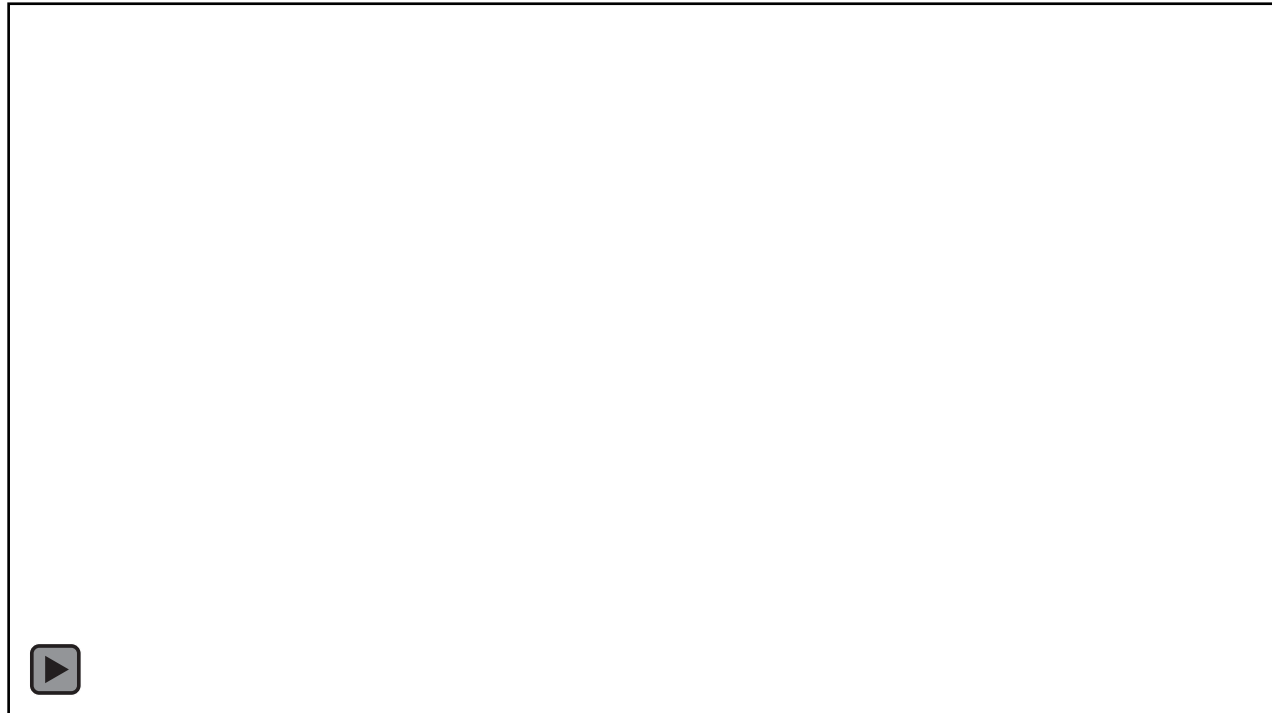


Added Value



Segmentation Tool
(WebApp)

Shoreline Dashboard



What is the Impact?

Before AGOL (Paper Based)

- ▶ Survey planning on printed map or Google Earth
- ▶ Hand written surveys
- ▶ Typed up after field survey
- ▶ Inconsistent Reporting
- ▶ Difficult to Quality Control
- ▶ Difficult to Audit
- ▶ Human Error Easy

Between Conducting the Survey and having a report in a Command Centre

Up to 4 hours

After AGOL (Survey123)

- ▶ Survey Planning on dedicated AGOL App
- ▶ Surveys conducted on mobile technology
- ▶ Reporting occurs automatically
- ▶ Quality Control steps easy to implement, enforce and modify
- ▶ Easy to Audit
- ▶ Human Error Difficult

Between Conducting the Survey and having a report in a Command Centre

~10 Minutes

Other AGOL Applications

Fast Access to Key Information

Shoreline Response
Plans



Oil Spill Contingency
Plans



Global Dispersant Stockpiles WebApp



What's Next?

What's Next (2018 and beyond)



One Truth





LiamHM@oilspillresponse.com

www.oilspillresponse.com