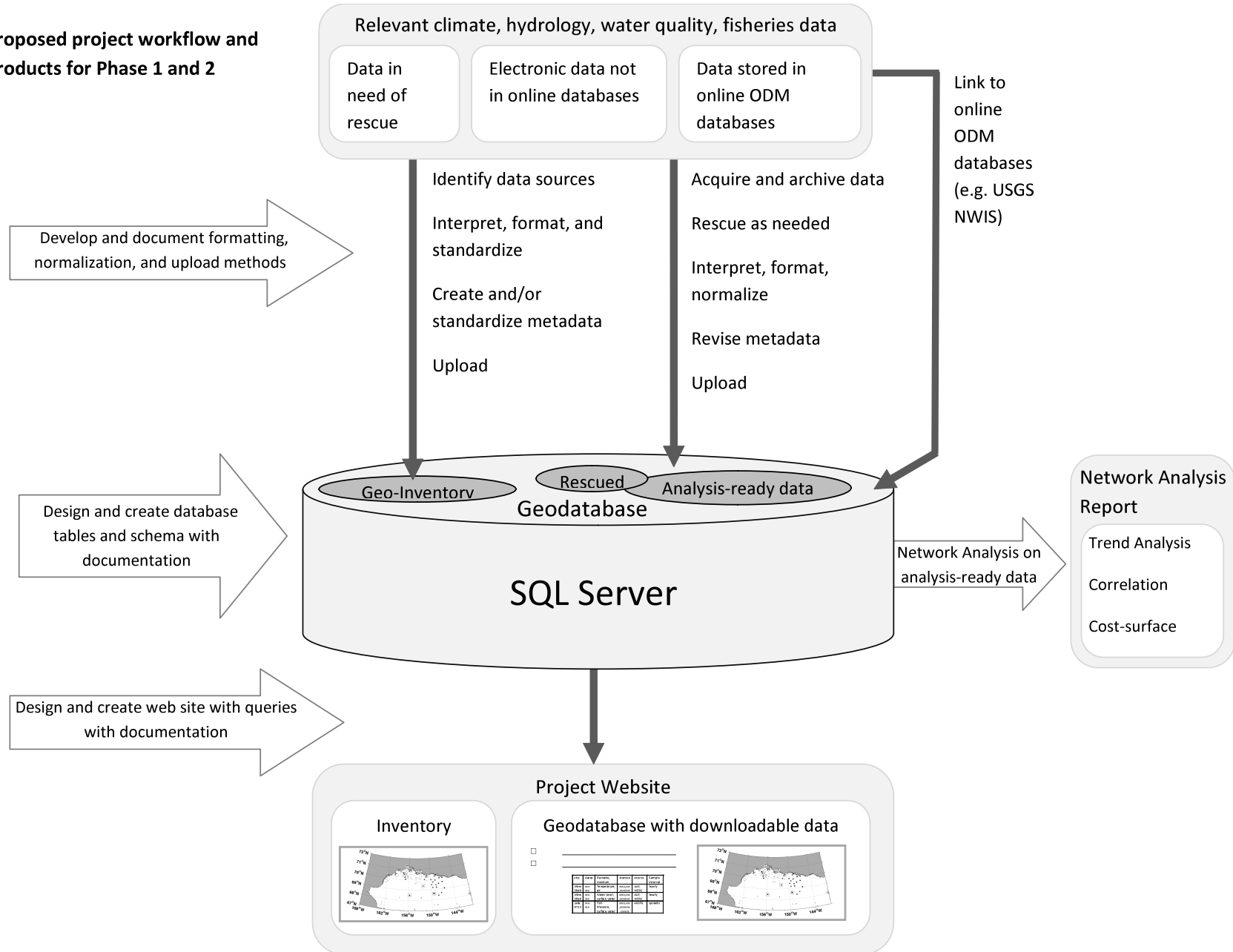
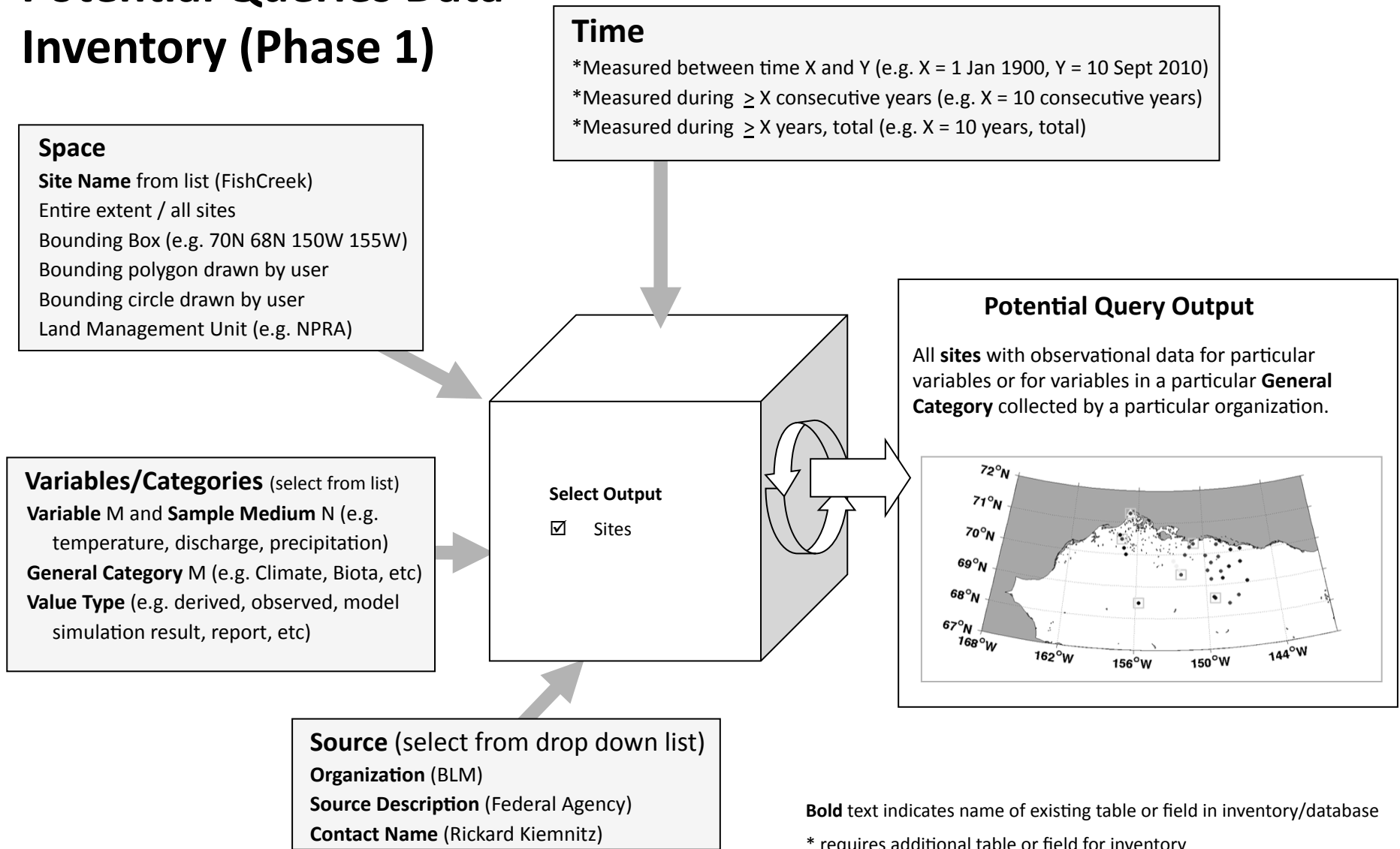


Proposed project workflow and products for Phase 1 and 2



Potential Queries Data Inventory (Phase 1)



Potential Queries Database (Phase 2)

Space

Site Name from list (Lake 9713)
Entire extent / all sites
Bounding Box (e.g. 70N 68N 150W 155W)
Bounding polygon drawn by user
Bounding circle drawn by user
Land Management Unit (e.g. NPRA)

Variables/Categories (select from list)
Variable M and **Sample Medium N** (e.g. temperature, fish presence, snow)
General Category M (e.g. Climate, Biota, etc)
Value Type (e.g. derived, observed, model simulation result, report, etc)

Time

- *Measured between time X and Y (e.g. X = 1 Jan 1900, Y = 10 Sept 2010)
- *Measured during $\geq X$ consecutive years (e.g. X = 10 consecutive years)
- *Measured during $\geq X$ years, total (e.g. X = 10 years, total)
- *Measured at irregular or regular intervals $\leq Z$ (e.g. Z = sporadic, annual, monthly, weekly, daily, hourly, 15-minute, etc)

Combinations:

- *Measured at irregular or regular intervals $\leq Z$ from interannual date A to B between years X to Y (e.g. regular intervals, \leq hourly, 1 May – 1 Jun, 1980 – 2010)

Select Output

- ☒ Sites
- ☒ Variables, medium
- ☒ Dates
- ☐ Category
- ☒ Sampling Interval
- ☐ Land Ownership
- ☒ Source
- ☒ Citation (required)

Source (select from drop down list)
Organization (Fish and Wildlife Service)
Source Description (Agency)
Contact Name (Joe Smith)

Potential Query Output

All **sites**, dates, **variables**, suggested **citation**, and information about **source** and sampling interval for variables in a **Category** collected at regular intervals $\leq Z$ at specified location, between specific dates, and with $\geq X$ consecutive years of data.

site	dates	Variable, medium	citation	source	Sample interval
Mine SiteB	xxx-xxx	Temperature, air	xxxx,xxx,xxxxxx	UAF, WERC	hourly
Mine SiteB	xxx-xxx	Water Level, surface water	xxxx,xxx,xxxxxx	UAF, WERC	hourly
Lake 9713	xxx-xxx	Fish Presence, surface water	xxxx,xxx,xxxxxx	AKDFG	sporadic

Bold text indicates name of existing table or field in inventory/database

* requires additional table or field for inventory