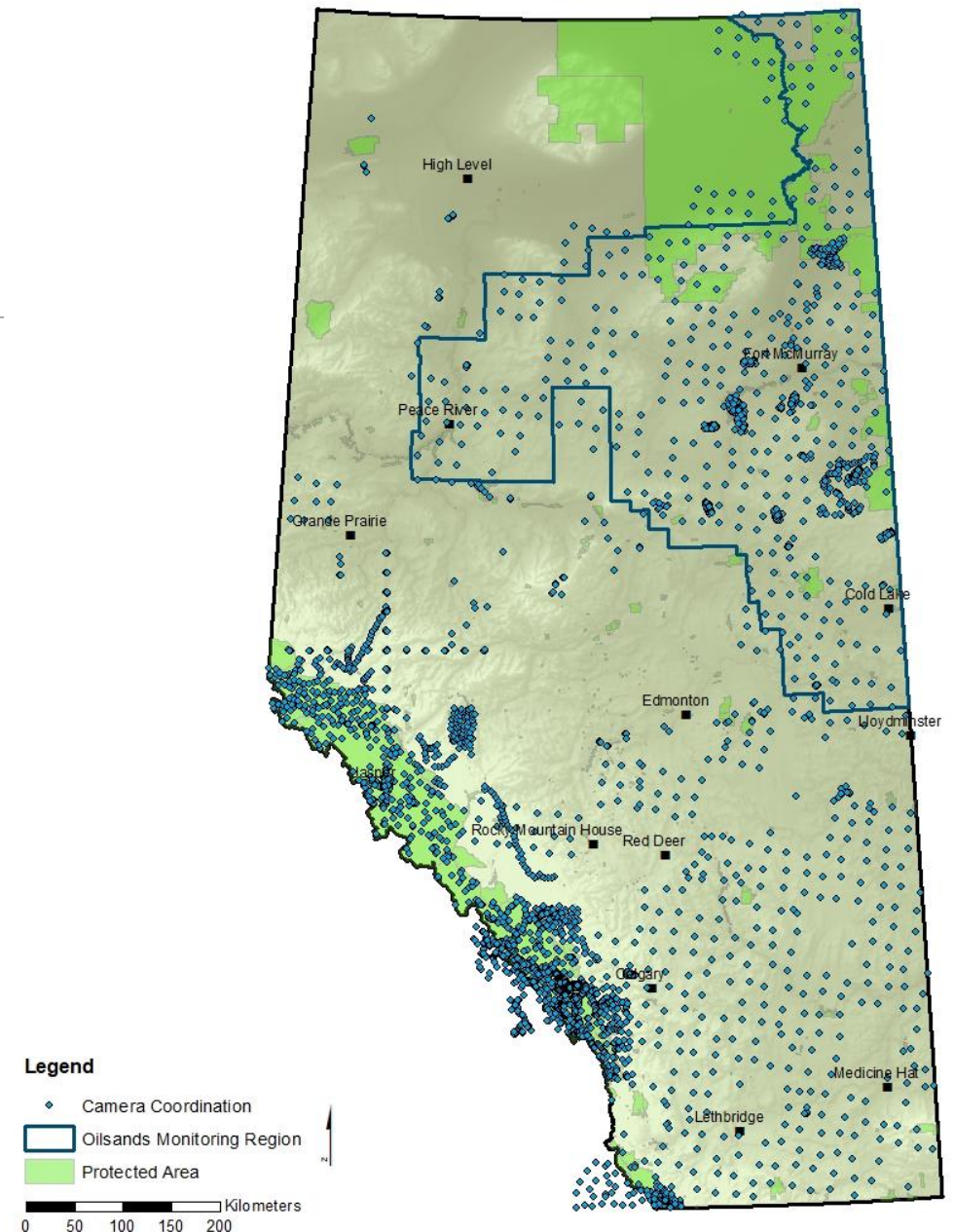# Remote Camera Coordinator

Building on previous work

Project list
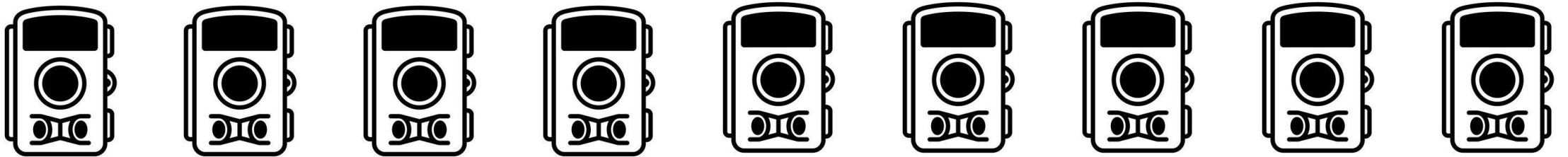- List of projects within AB and associated metadata

Collection of (some) camera locations
- Some projects shared camera locations or polygons of study areas
- Approx 30% of >120 projects have shared data

Legend
- ◆ Camera Coordination
- ▢ Oilsands Monitoring Region
- ▨ Protected Area
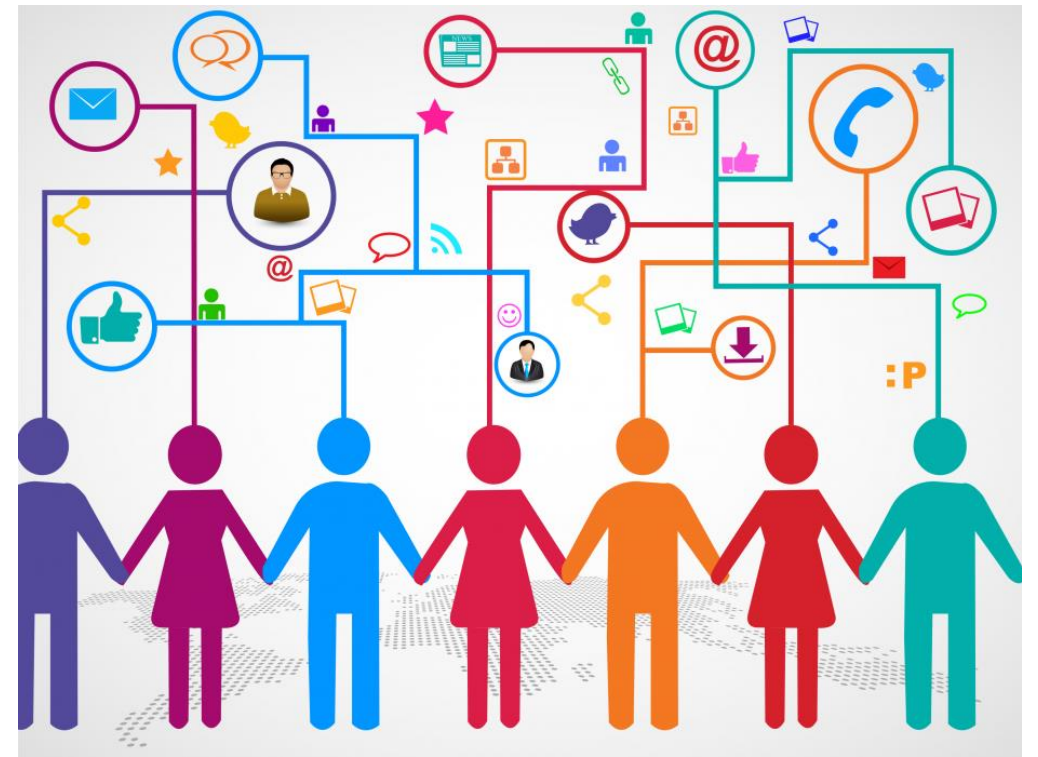
Kilometers
0   50   100   150   200

Remote Camera Coordinator

1. Coordinate remote camera users in Alberta through a Community of Practice

2. Connect the Alberta Community of Practice with other remote camera users in Canada and beyond

3. Lead and support scientific research on the development and application of remote camera approaches involving the integration of multiple datasets

Community of Practice (CoP)

1. Coordinate remote camera users in Alberta through a Community of Practice

   ◦ Key outcomes: improve quality and quantity of knowledge
   ◦ Regional node within global collaboration

Surveys

◦ Collecting information from the CoP

◦ Two surveys

  ◦ Identifying priorities

  ◦ Data platforms

REMOTE CAMERA STAGES

Objectives
(information needs) →

```
┌─────────────────┐
│  STUDY DESIGN   │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│   DEPLOYMENT    │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│   PROCESSING    │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│    ANALYSIS     │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│   SCALING UP    │
└─────────────────┘
```
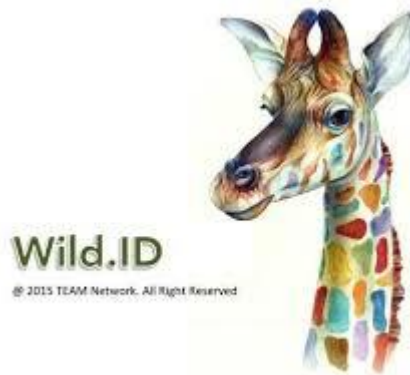
Reporting ←

Surveys

Data platforms
- ◦ Web- and desktop-based tools for efficient and standardized data management, sharing, and analysis
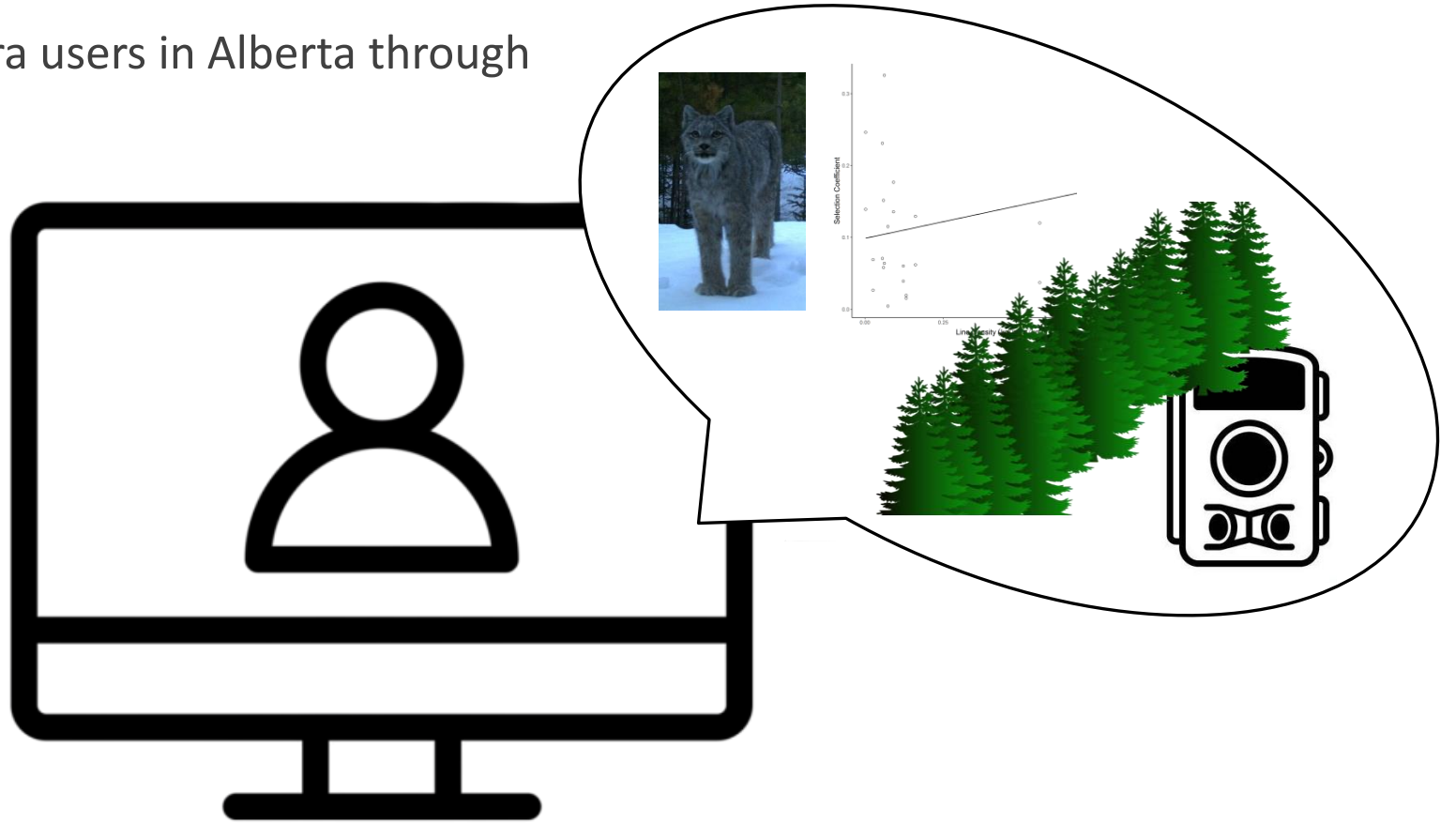
Comparing data platforms

○ Overview of various platforms and software

○ Formatted for easy comparison

○ 'Living document'

	Wildlife Insights	Zooniverse	eMammal	TimeLapse	WildTrax	Wild.ID
Operated By	Conservation International	Department of Physics, University of Oxford	Smithsonian	Saul Greenberg	Alberta Biodiversity Monitoring Institute	Tropical Ecology Assessment and Monitoring Network
Spatial Scope	International	International	North America	International	National	International
Platform	Web-based/Offline (Wild.ID)	Web-based	Web-based/Desktop	Desktop	Web-based	Desktop
Organization Management	Yes		No	No	Yes	Yes (limited)
Project Management	Yes	Yes	Yes (setup by eMammal)	No	Yes	Yes (limited)
User Management	Yes	Yes	No	No	Yes	Yes (limited)
Public/Private Options	Yes	Yes	No	No	Yes	No
Embargo	Yes		Yes (3 years)	No	Yes	No
Metadata	Yes		Yes	Yes	Yes	Yes
Data Upload	Yes	Yes	Yes	Yes	Yes	Yes
Batch Uploading	Yes	Yes (Up to 1000KB/subject set)	Yes (through deskstop app)	N/A	Yes	Yes
Tagging	Yes	Yes	Yes	Yes	Yes	Yes
AI for image processing	Yes	No	No	Yes	Yes	No
Customizable fields	No	Yes	Yes	Yes	No	Yes
Storage	Yes	Yes	Cloud	No	Yes	Local
User Guides/Tutorials	Yes	Yes	Yes	Yes	Yes	Yes

Special thanks to Corrina Copp

Community of Practice

1. Coordinate remote camera users in Alberta through a Community of Practice

   ◦ Webinar series

Collaboration

2. Connect the Alberta Community of Practice with other remote camera users in Canada and beyond

Photo: ABMI

Where do we want to go?

3. Lead and support scientific research on the development and application of remote camera approaches involving the integration of multiple datasets

Photo: ABMI

Where do we want to go?

Contact information

For presentations and information from previous workshops:

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To join the CoP, participate in surveys, and general inquiries:

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