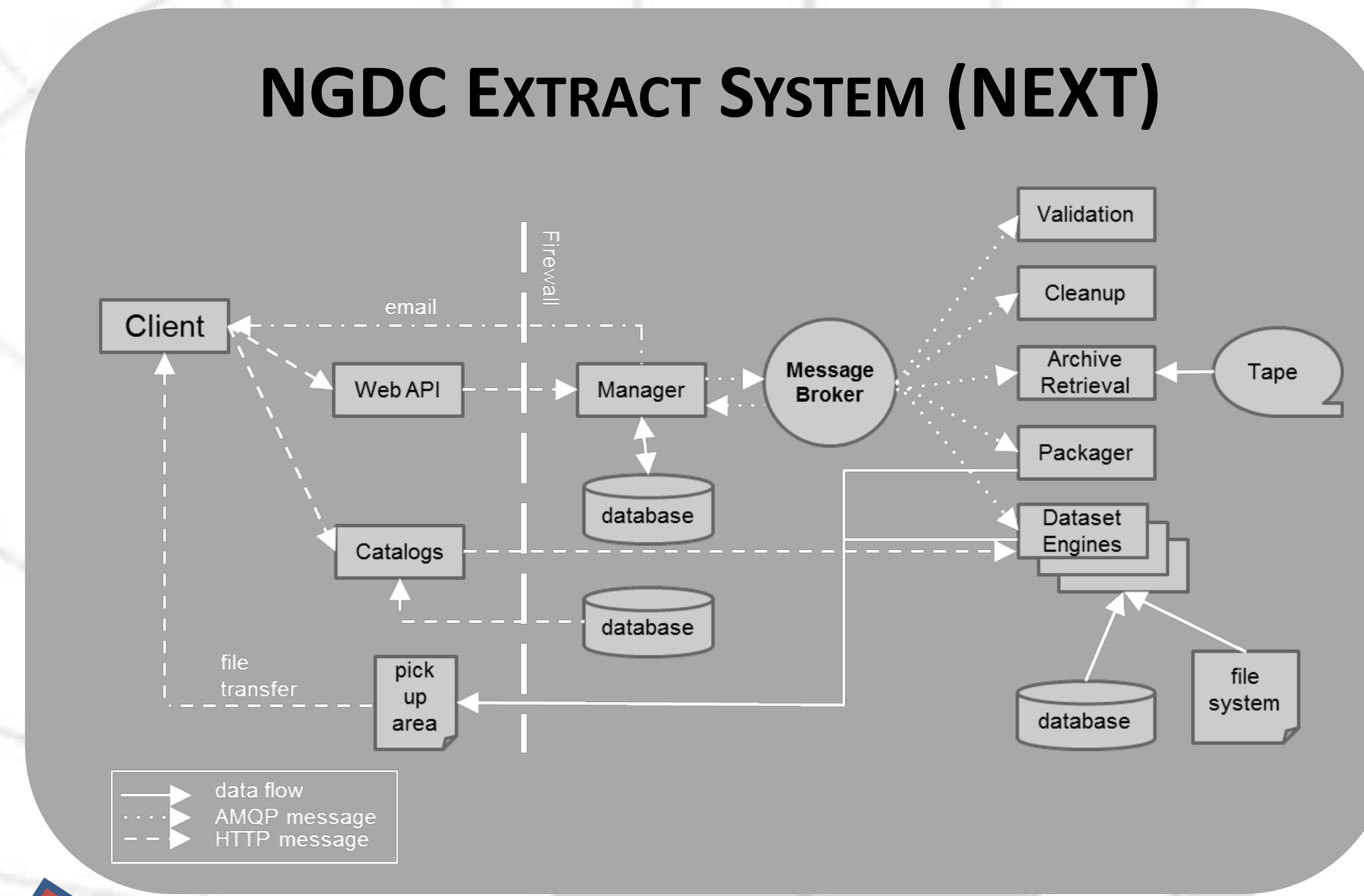


NGDC Agile Development Team: **Heather McCullough**, David Neufeld, Robert Prentice, Evan McQuinn, Ken Tanaka, Aaron Caldwell, John Cartwright and Jesse Varner

National Geophysical Data Center (NGDC) Users:

"I want all the data from... [this area, this time period, this data type]."



GOAL: BUILD A CENTRAL SYSTEM THAT ENABLES NGDC'S USE CASES

- **Receive** data requests
- **Divide** and **delegate** request to appropriate subsystems
- Collect and **package** results
- **Deliver** results to the user
- Easily **extensible** for new data
- **Programmatic interface** so that multiple front-facing services can utilize it



DSCOVR SATELLITE DATA

Start Date	End Date	Data Type	Processing Environment	Processing Date	Filesize
2014-07-02T00:00:00Z	2014-07-02T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-07-03T00:00:10Z	1.63 MB
2014-07-01T00:00:00Z	2014-07-01T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-07-02T00:00:10Z	0.10 MB
2014-06-30T00:00:00Z	2014-06-30T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-07-01T00:00:10Z	0.00 MB
2014-06-29T00:00:00Z	2014-06-29T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-30T00:00:10Z	0.00 MB
2014-06-28T00:00:00Z	2014-06-28T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-29T00:00:10Z	1.13 MB
2014-06-27T00:00:00Z	2014-06-27T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-28T00:00:10Z	0.00 MB
2014-06-26T00:00:00Z	2014-06-26T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-27T00:00:02Z	2.31 MB
2014-06-25T00:00:00Z	2014-06-25T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-25T17:02:18Z	0.81 MB
2014-06-25T00:00:00Z	2014-06-25T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-25T19:00:01Z	0.01 MB
2014-06-25T00:00:00Z	2014-06-25T23:59:59Z	Real-Time Observatory Telemetry	IT	2014-06-25T21:00:03Z	0.28 MB



GEOPHYSICAL TRACKLINE DATA

Data Available	Survey ID	Institution	Ship	Year	Date Added	Types	Select
<ul style="list-style-type: none"> Trackline: MGD77T Scanned_Microfilm: Gravity Scanned_Microfilm: Magnetics Scanned_Microfilm: Navigation 	OPR4253	NOAA	Discoverer	1969	1979-08-14	B M G	✓
	OPR4254	NOAA	Discoverer	1969	2013-04-21	M	✓
	OPR425M1	NOAA	Mt. Mitchell	1969	2013-04-22	M	✓
	OPR425OA	NOAA	Oceanographer	1969	2013-04-24	M	✓
	OPR425OB	NOAA	Oceanographer	1969	2013-04-02	B M	✓
	OPR425R1	NOAA	Rainier	1969	1979-08-14	B M	✓
	OPR425RA	NOAA	Rainier	1969	2013-04-03	B M	✓
	OPR425RB	NOAA	Rainier	1969	2013-04-03	B M	✓
	OPR434A	NOAA	Hydrographer	1963	1980-11-13	B SC	✓
	OPR434B	NOAA	Hydrographer	1965	1980-11-13	B SC	✓

DECOUPLED USER INTERFACE

Angular JS / jQuery
Twitter Bootstrap
DataTables
Common Look / Format
REST API
User Testing