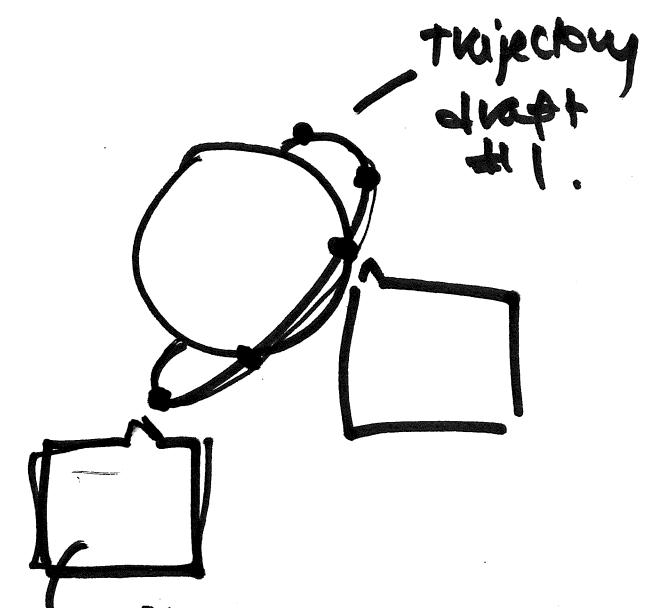


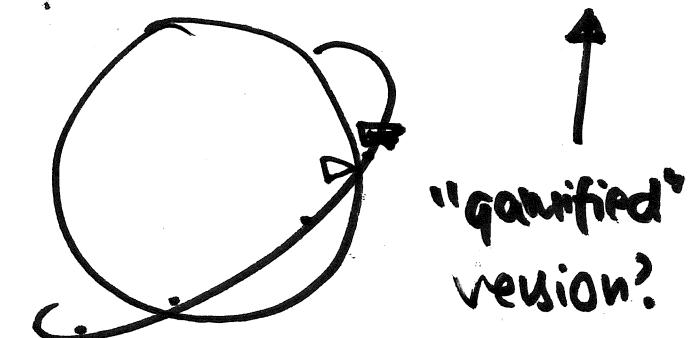
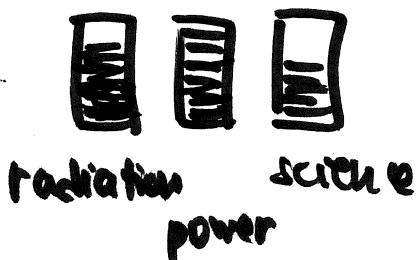
layering of all of  
the team's desired  
routes based on  
points of interest  
for engineers



tradeoff,  
dependencies...  
more info on  
which instruments  
are active

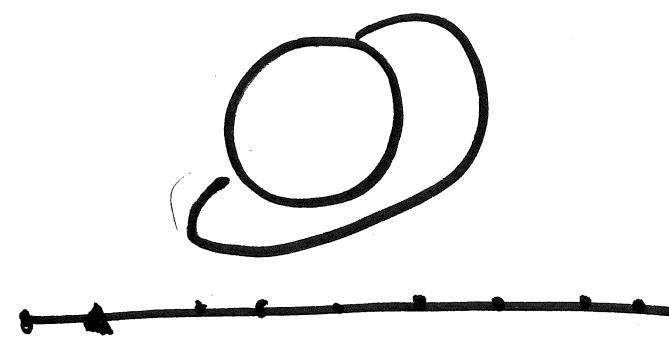
tradeoffs

scenario  
#1

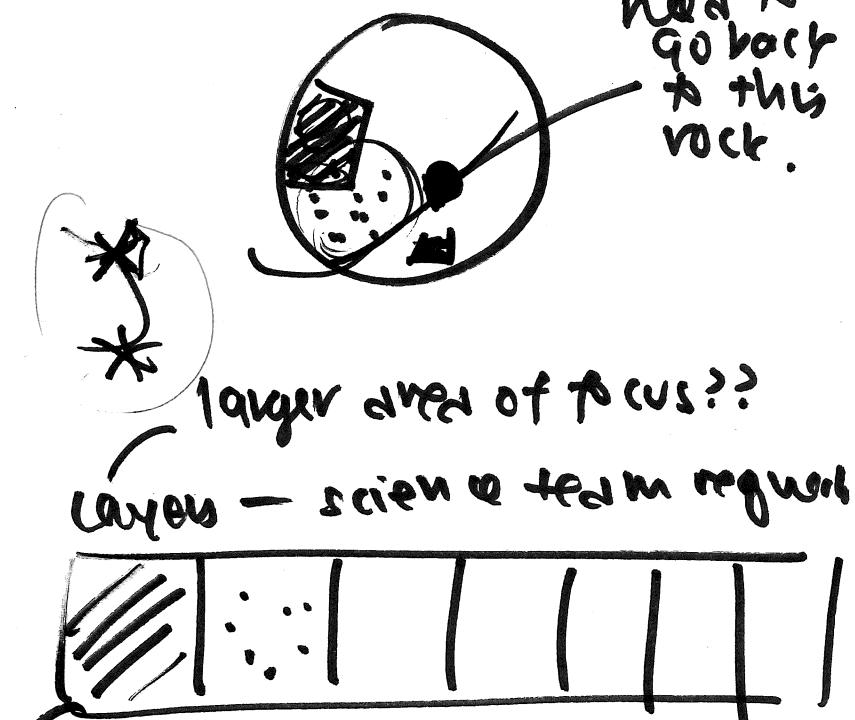


"garnified"  
version?

when new discoveries  
happen?

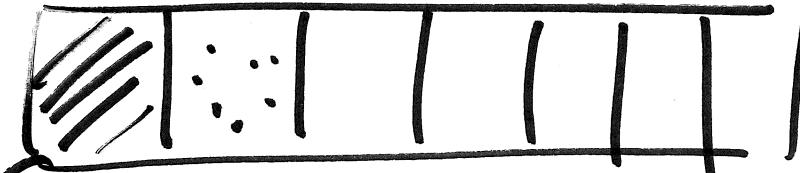


- instrument off
- meeting which science goal(s) - to form more cohesion?

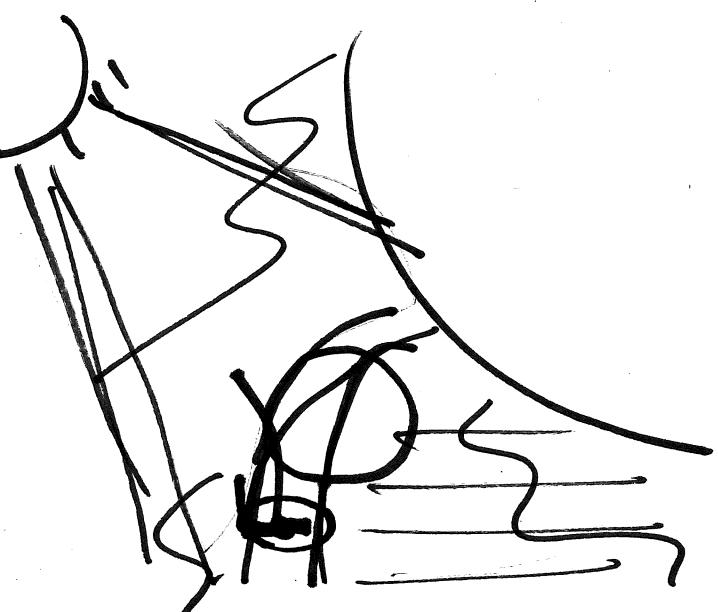


larger area of focus??

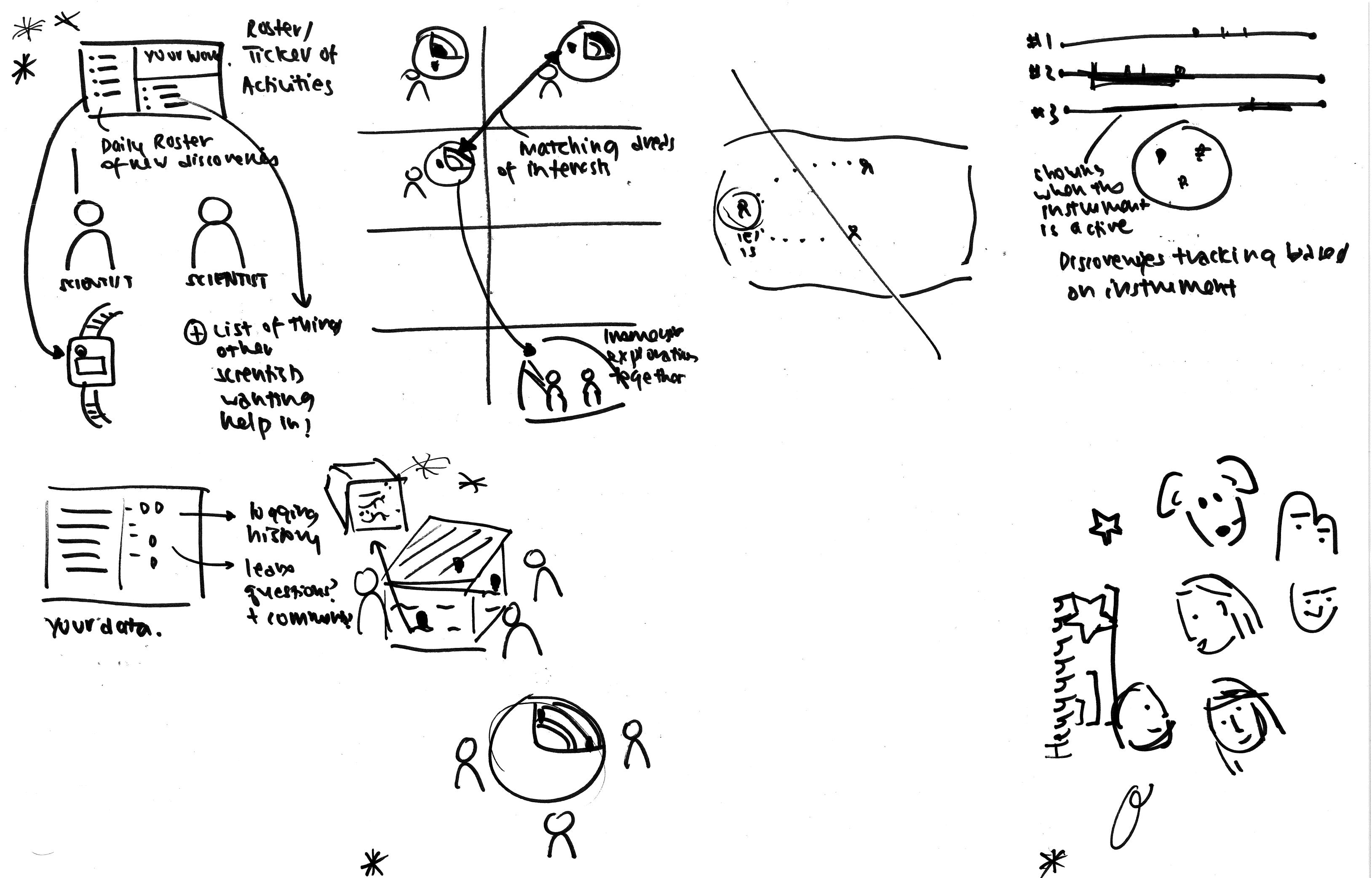
layers - science team request



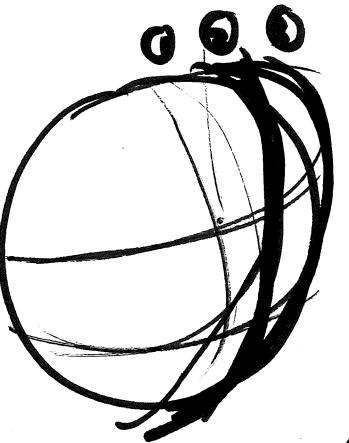
(pairing)  
of ?  
instruments



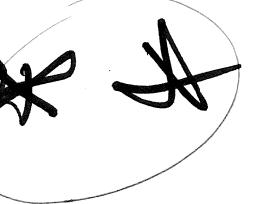
3D holographic model  
on tradeoffs to  
aid communication



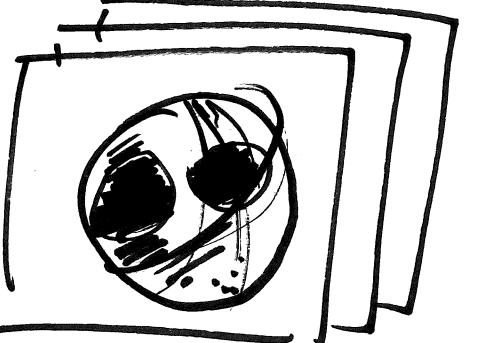
(past)



- ① (Instrument, paper) spot
- ②
- ③
- ④



\* seeing overall scheduled mission coverage (to also aid in planning)

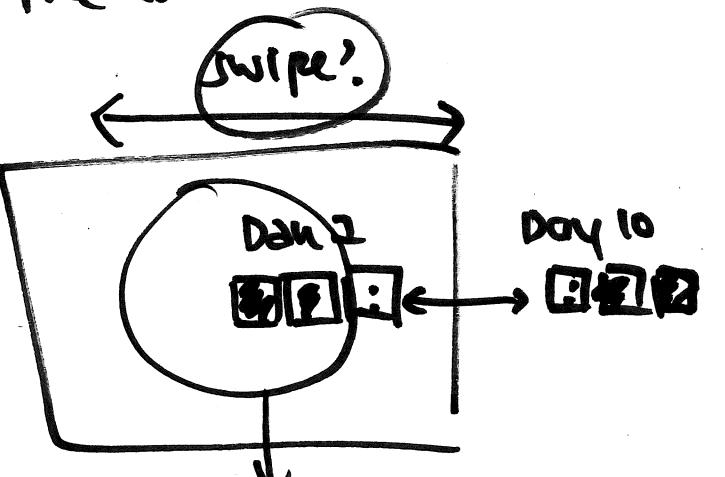
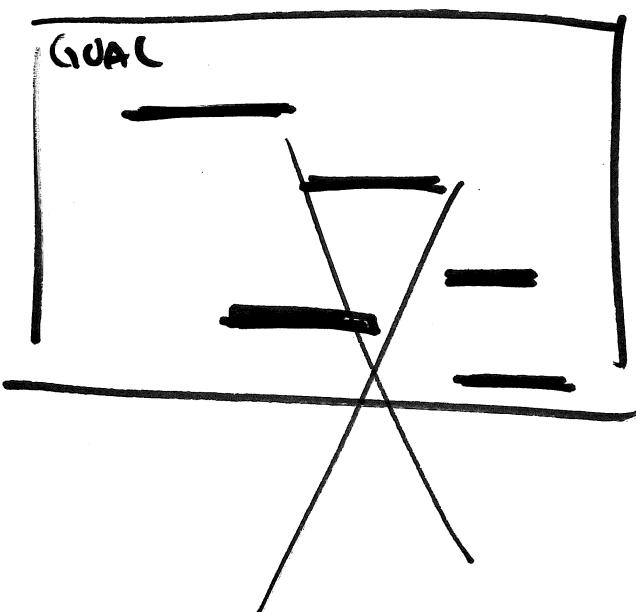


- ①
- ②
- ③
- ④

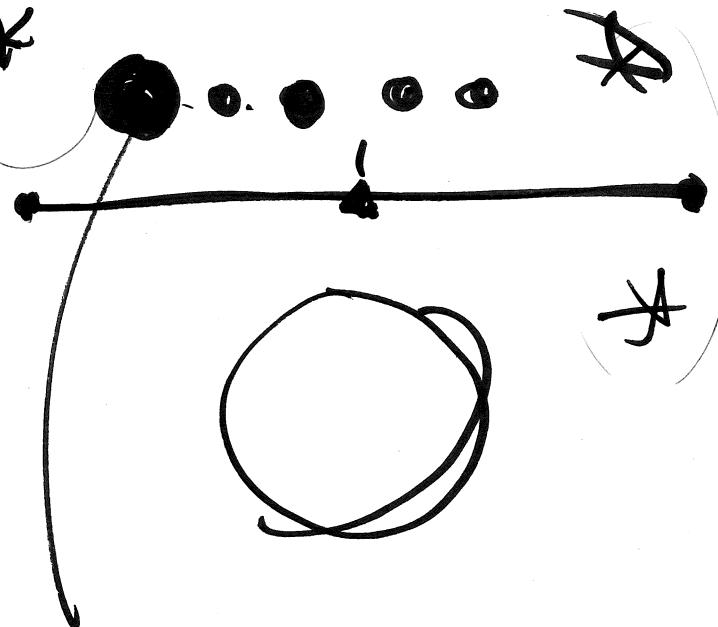
signify which were the most interesting

- ①
- ②
- ③

way to visualize the changing incoming data? / updating the current data?



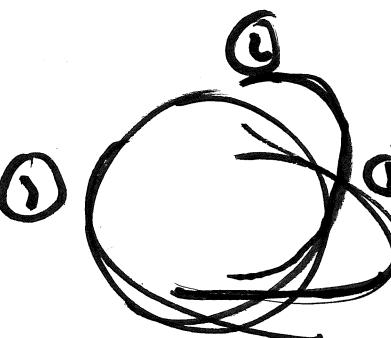
could also be figures?



data set gathered from this trajectory

(scale + see how many times it was viewed / updated?)

Engineering-specifically



- ① radiation: 10; power: 10
- ② radiation: 5; ....
- ③

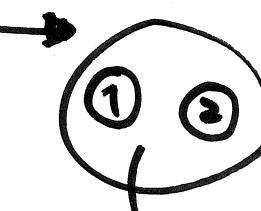
→ map out "danger zones"

heat map



scheduled touch

↑ bonus screen



which other areas would we want to cover - do a heat map

ORBIT 12

PIMS

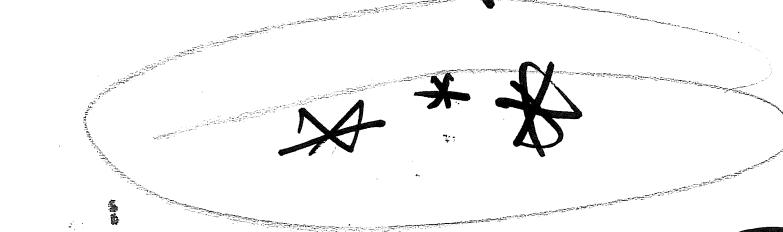
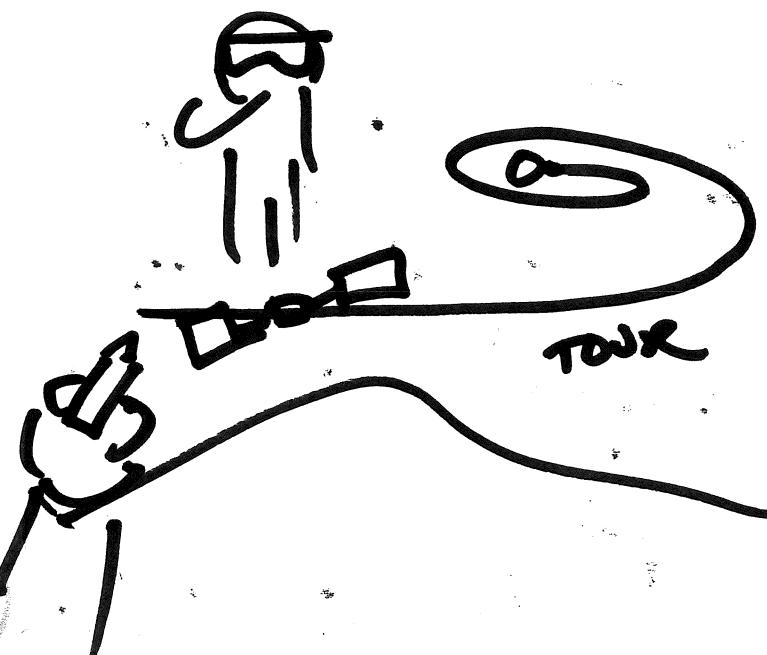
ICEMAG

BS

=

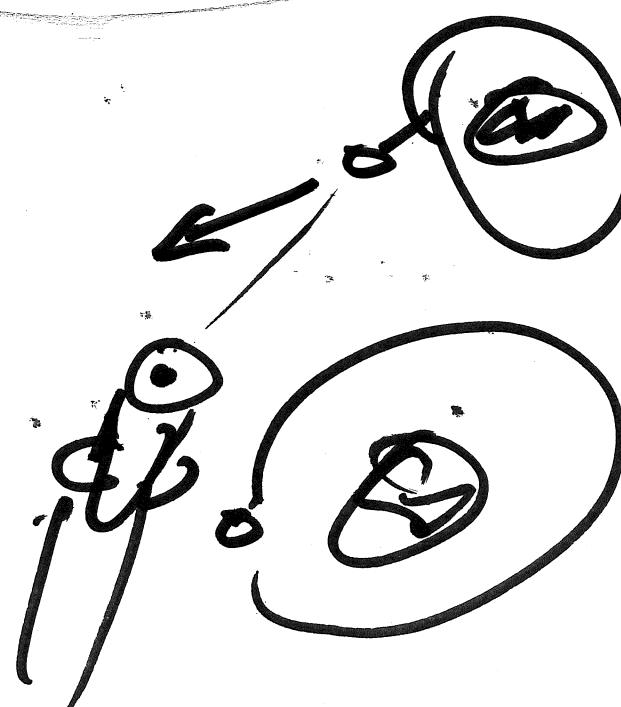
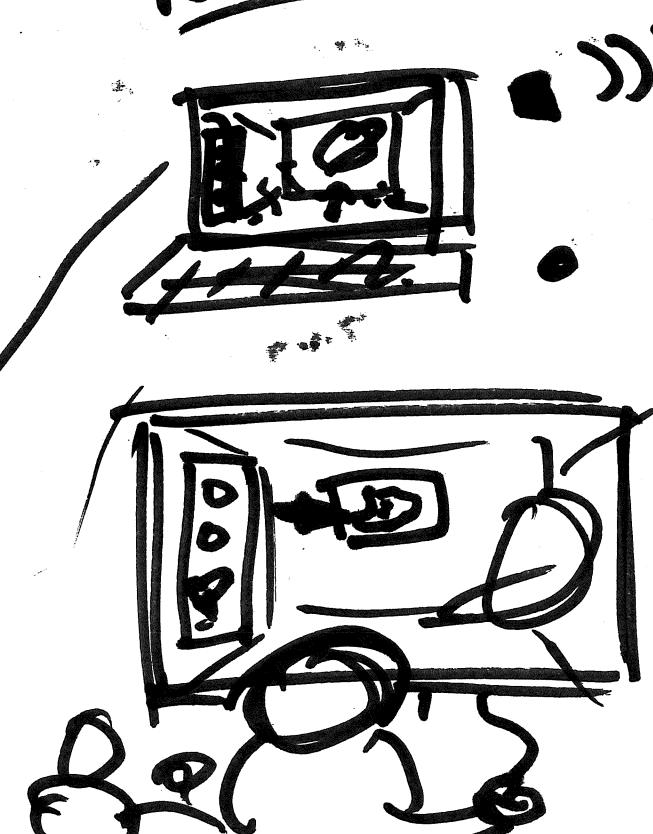
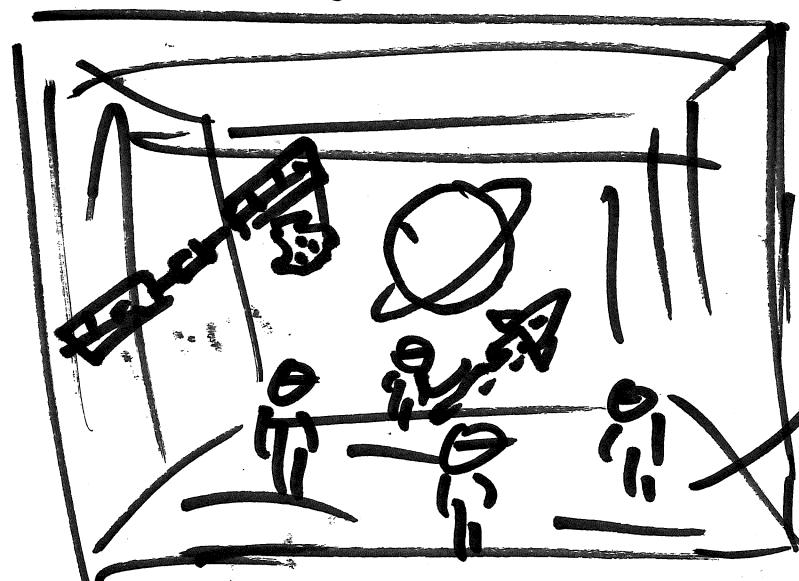
PIMS

BS

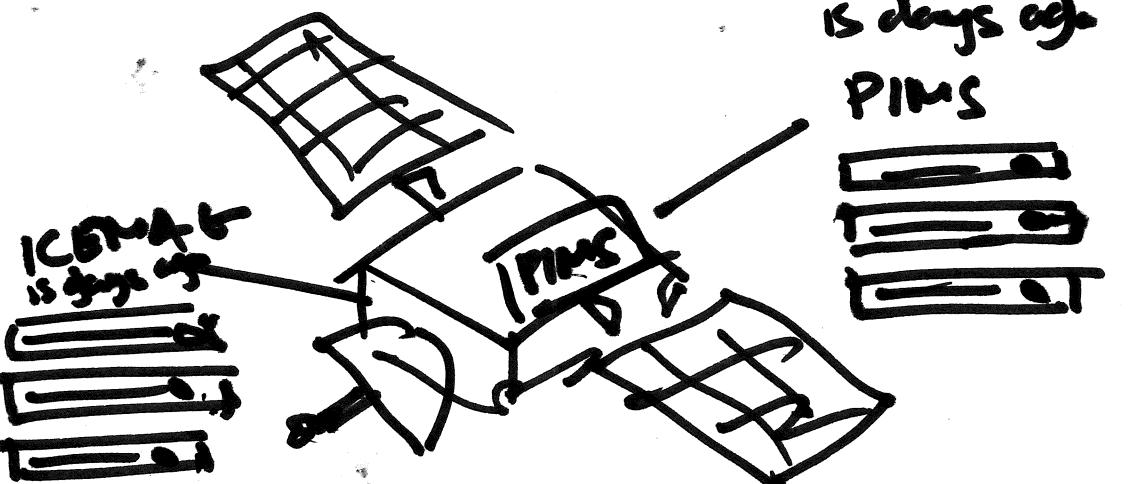
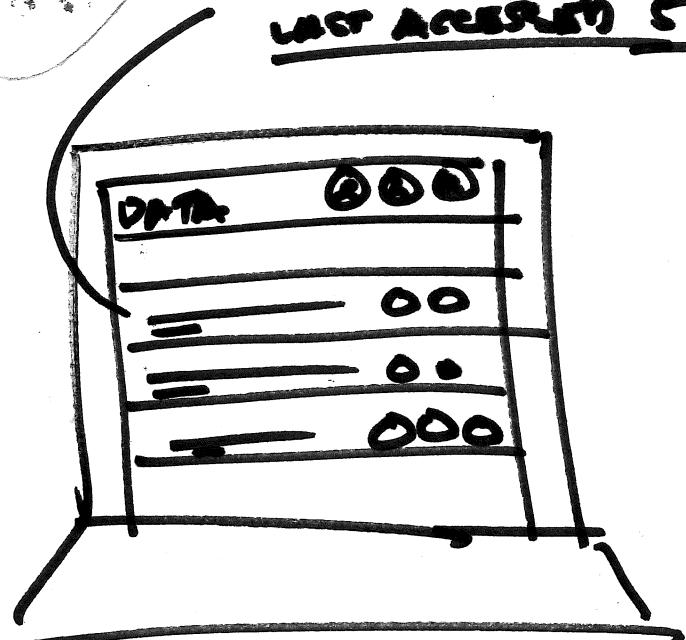


KERBOL

Remote

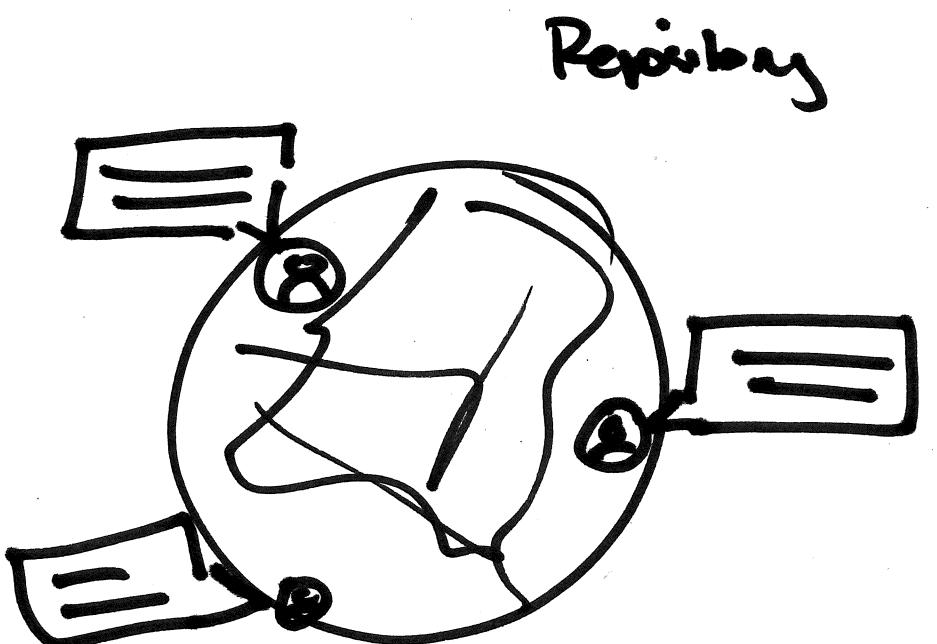
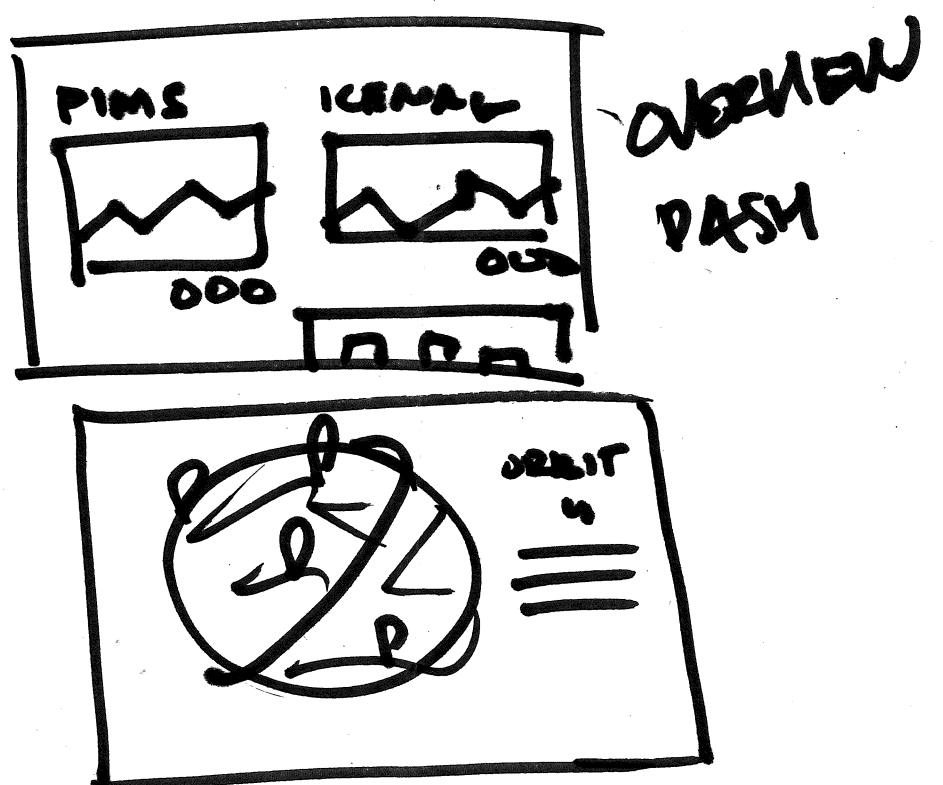


last access 5 min



Access Rule

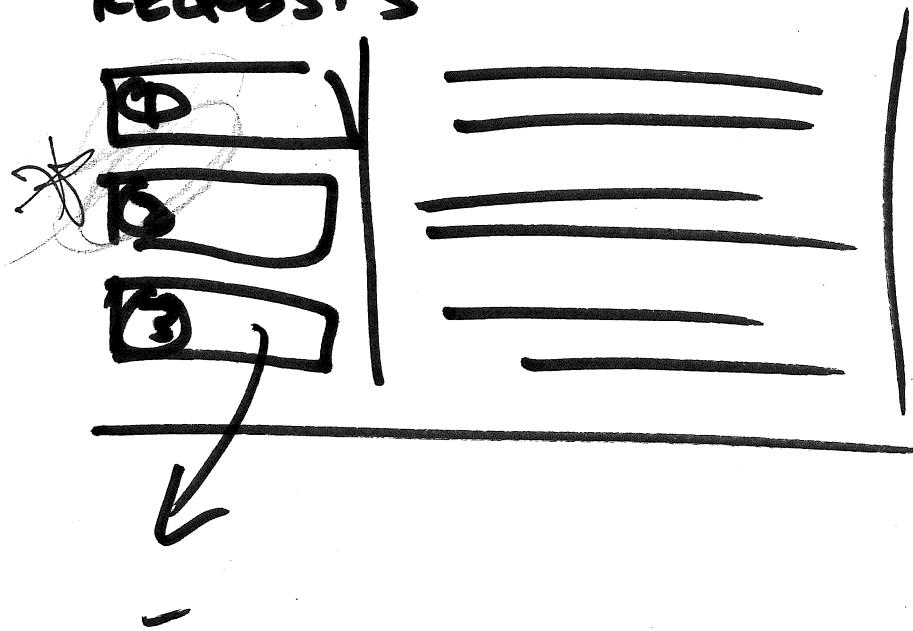
Get Data  
for personal  
use



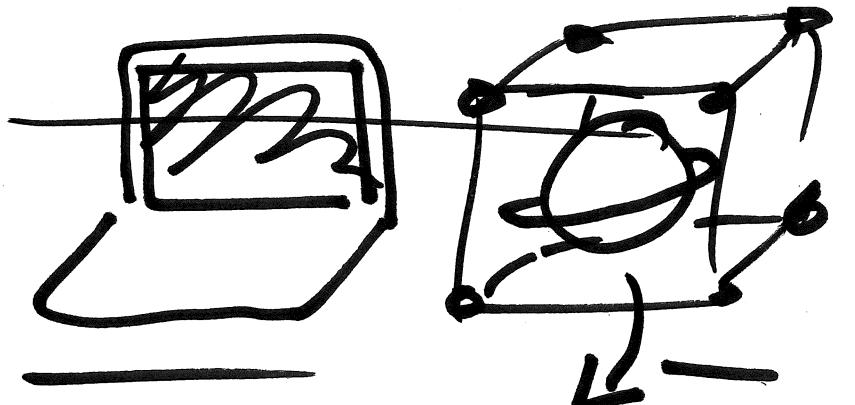
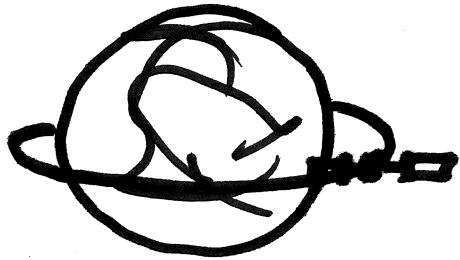
$$\begin{matrix} \text{P} \\ \text{C} \\ \text{S} \end{matrix} = \text{POI}$$

100%  
100%  
100%

REQUESTS



END  
Orbit 1



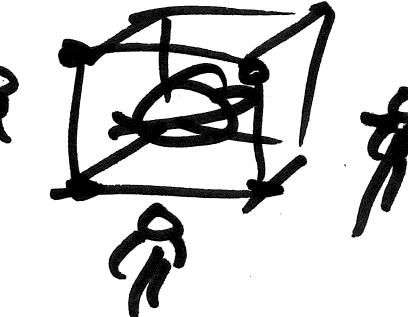
TOUR



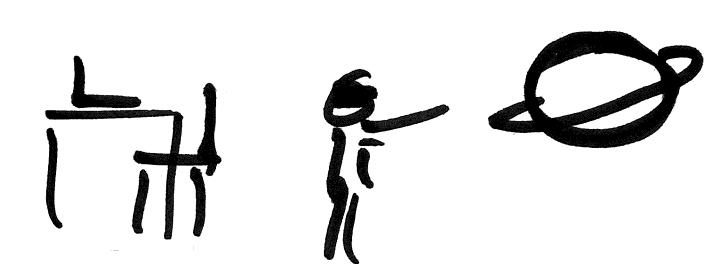
PLANNED

OPEN

ROUTE

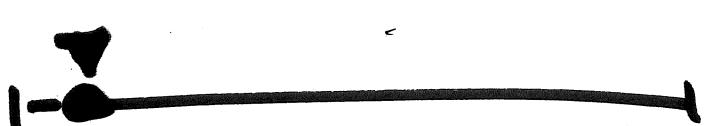
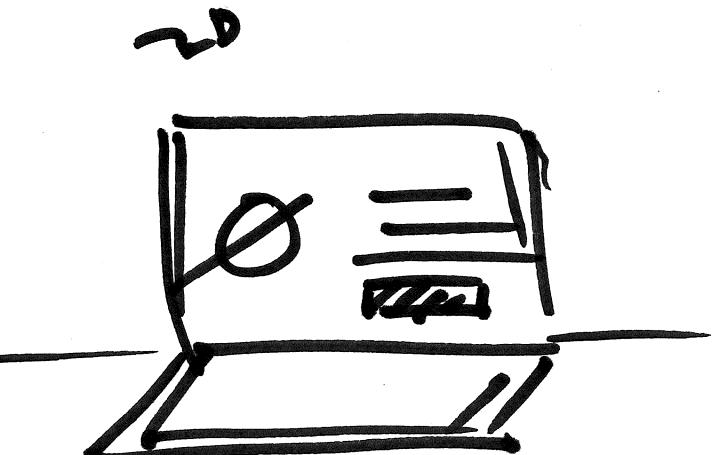


0'	0'	0'	0'
0'	0'	0'	0'



ARRIVED

Orbit 01



Empathetic

Date

X

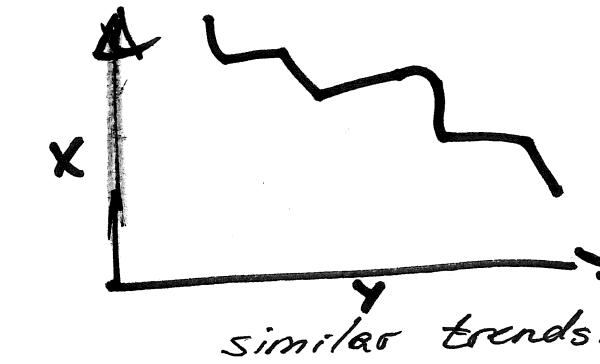
People Working  
with this

- —
- —
- —
- —

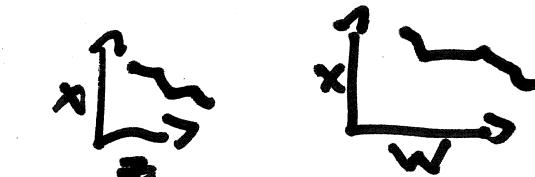
Emotionally Aware

Emotionally Aware

Extra Dimensional ||||||| Adaptable

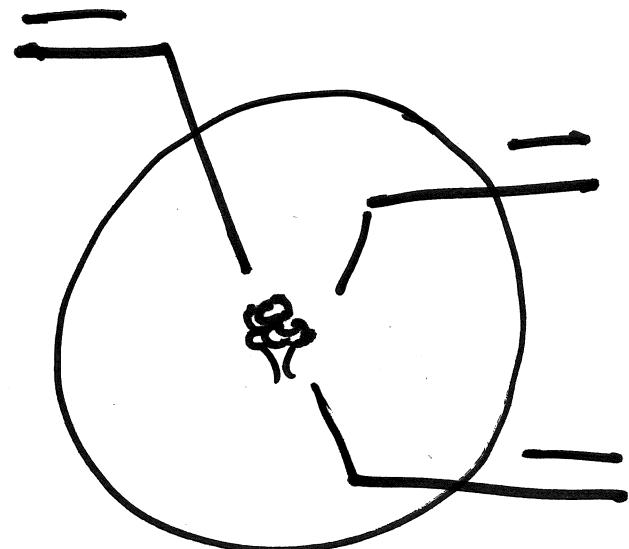


similar trends...



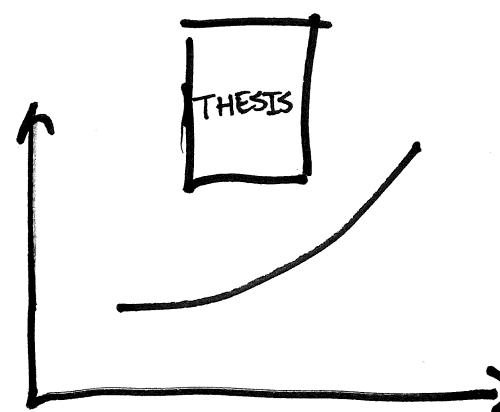
identify significant  
trends with same  
date

Redundancy



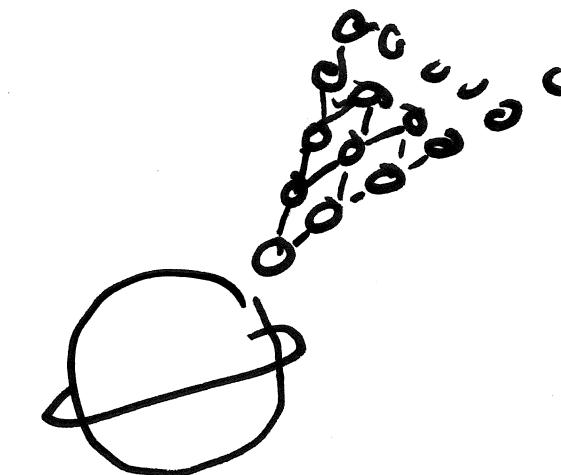
Display corroborating  
data

Politics



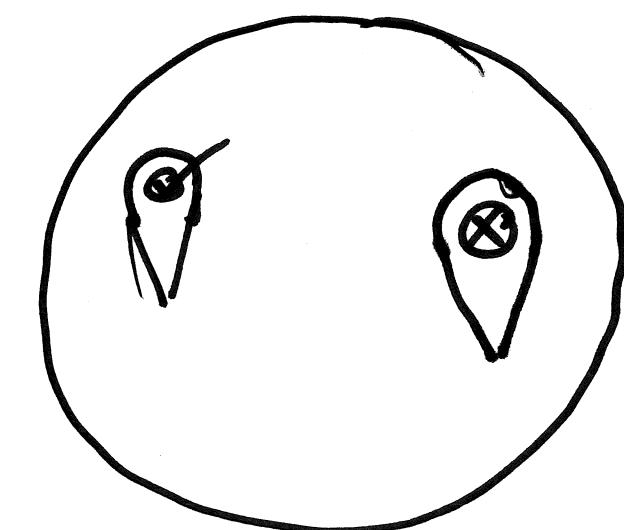
Identify Personal  
Reasons for exploring  
data

Past → Future



Show prevalence of  
investigations

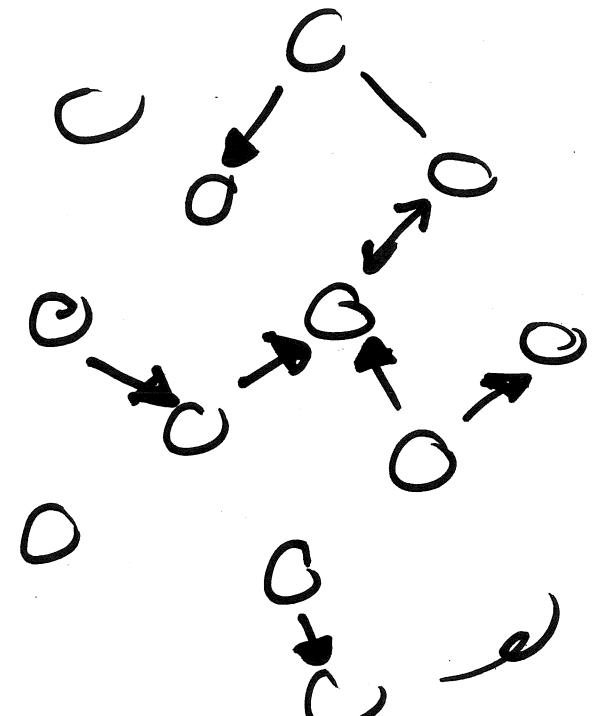
Time Sensitive



Point out cleaned  
and uncleaned data

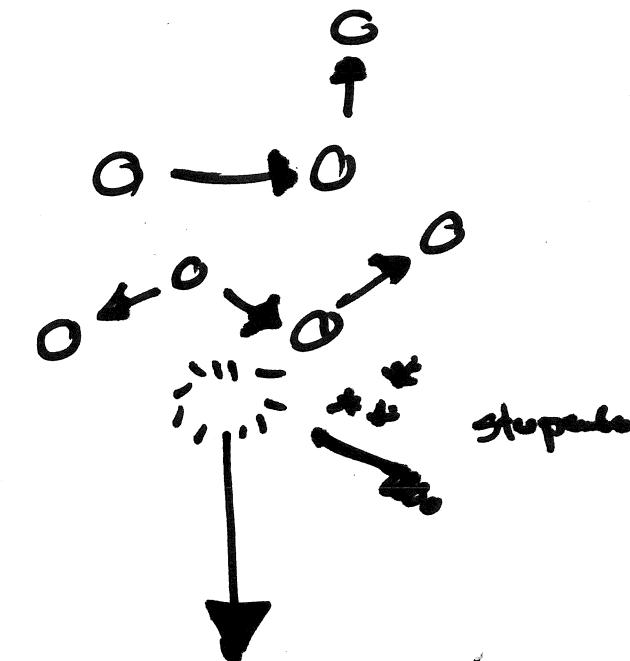
What if time didn't exist?

~~without time there would be no life~~

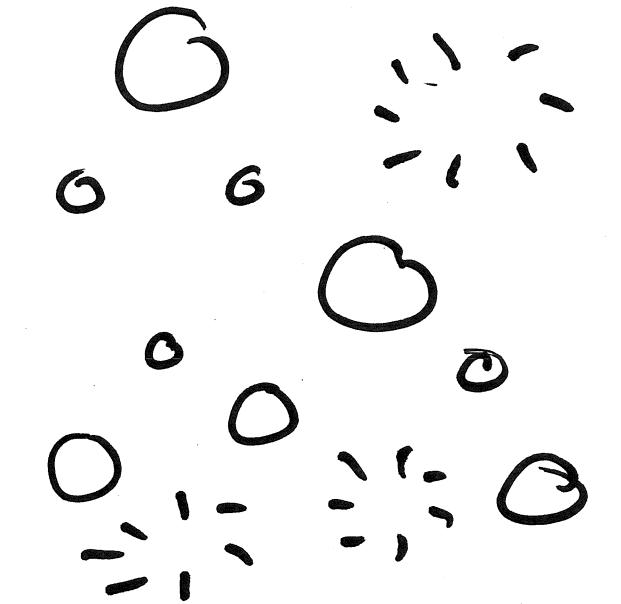


Each potential state is  
equally valid to jump to

Assign specific segments  
to groups to explore  
Europe Groundhog  
Day



Explore effects of  
timelessness on linear  
timelines - magic



Spontaneous "what if's"  
to prompt alternative thought

①

②

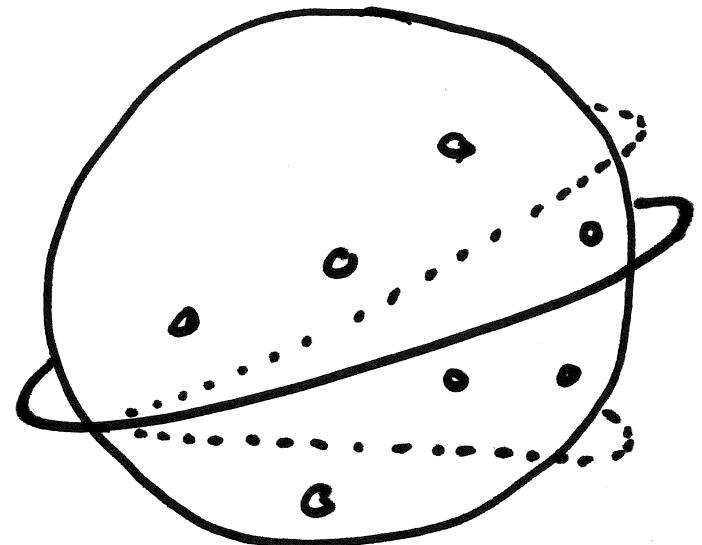
③

④

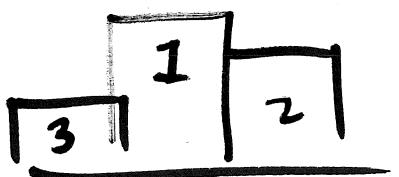
Dreams of  
past

\* \*

Empathize



Display points of interest  
to show what has been  
considered  
Redundancy

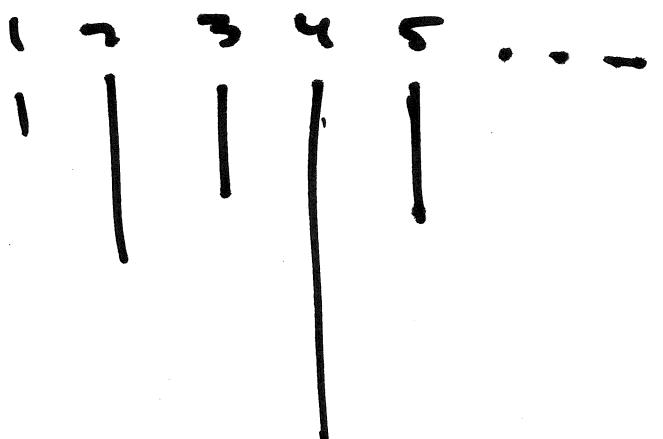


Hierarchies of Need  
for scientists.

Politics

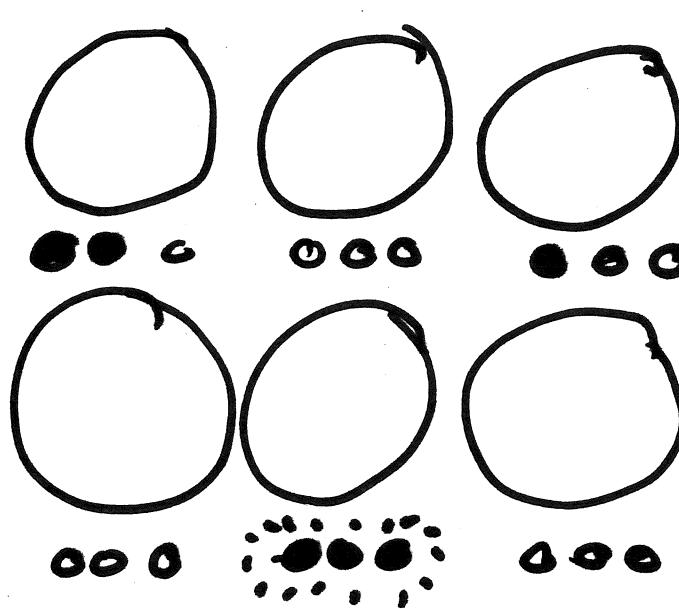
Show emotional importance  
hierarchy for scientists

Instruments

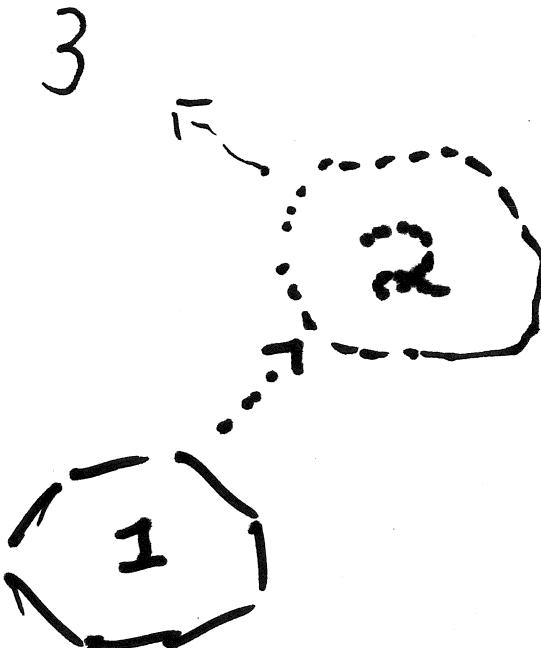


who has been served the  
most so far and in the future  
(by the plan)

Emotions Emotionally have Extra Dimensional



Adaptable



Collaborative Session  
Records

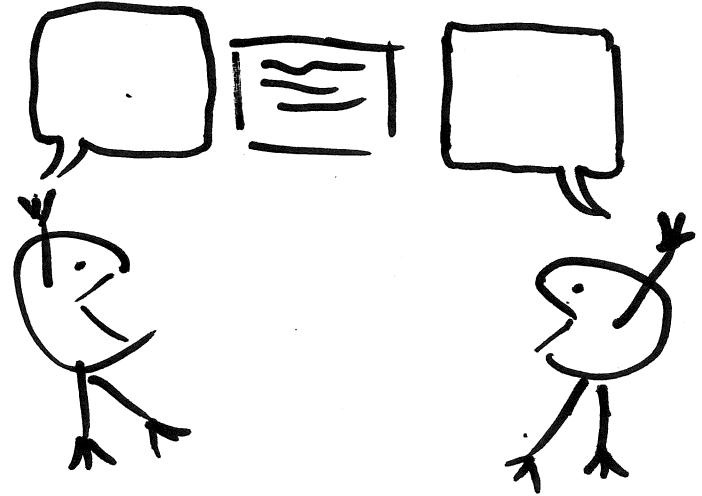
Preemptively argue  
priorities based off new  
findings

Time Sensitive

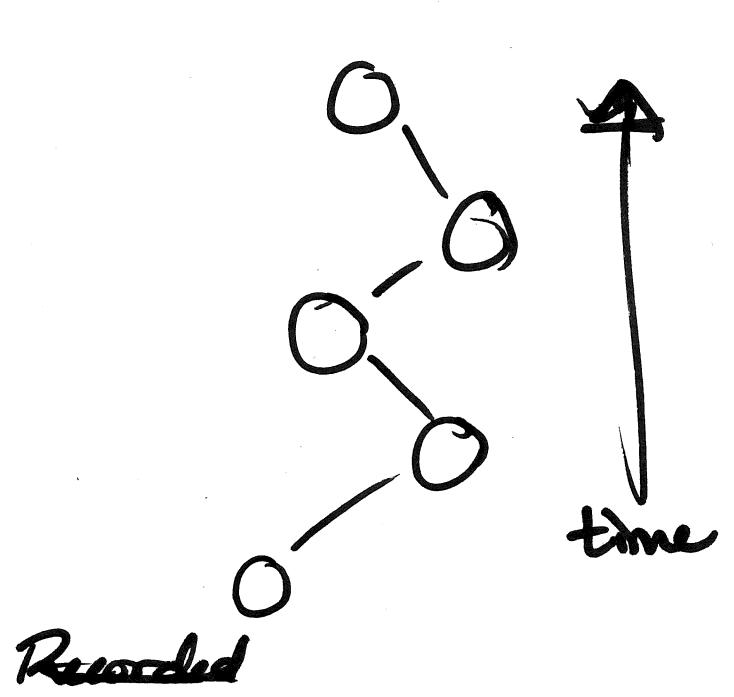
- No compromise
- Let's talk more
- F. You

Conversation Context  
Setting

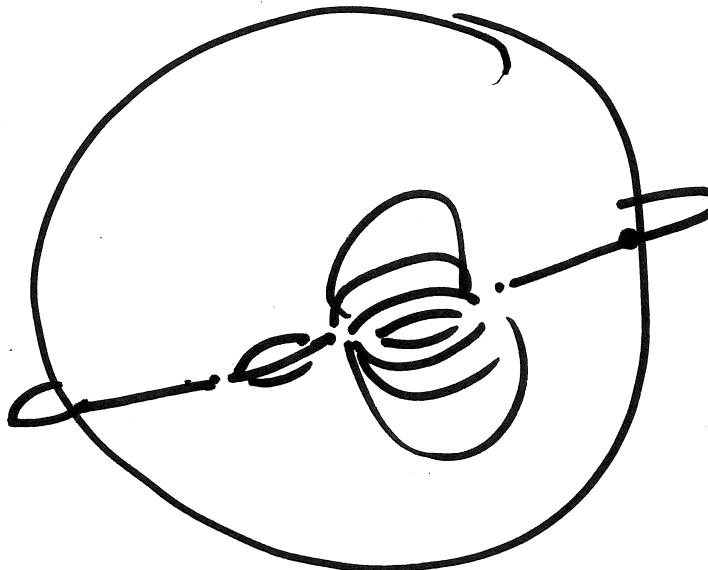
Real time finger translation



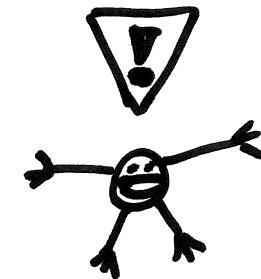
Archived failed simulations  
that can be discarded  
built off of.



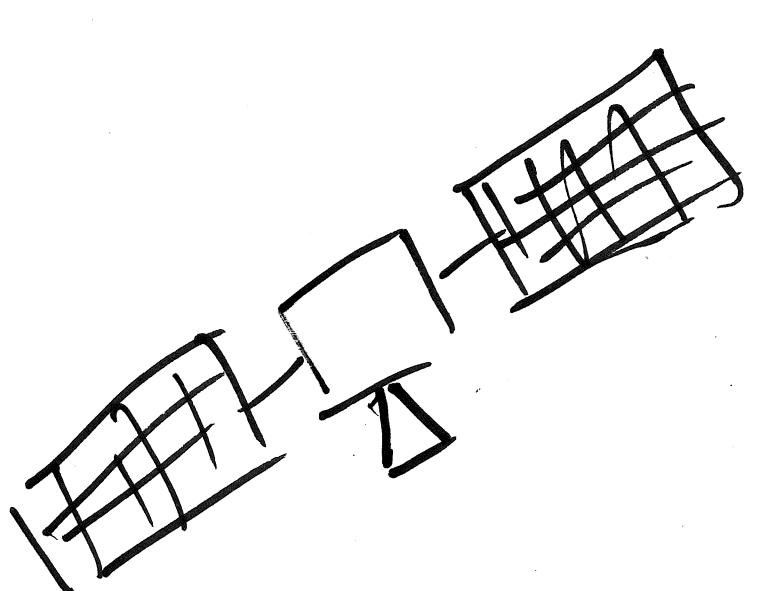
Displaying room for  
compromises based  
off other priorities



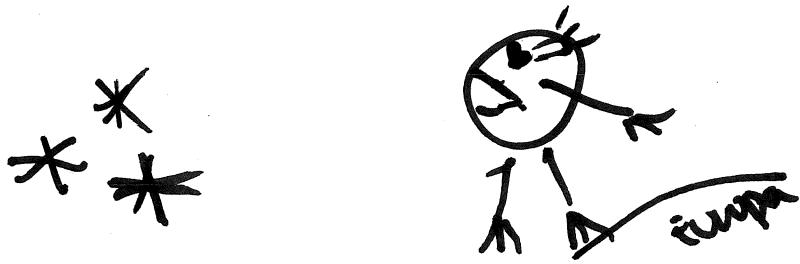
History of things  
lost in translation



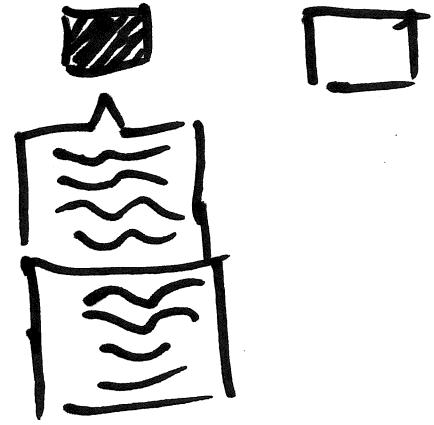
Google Europa VR



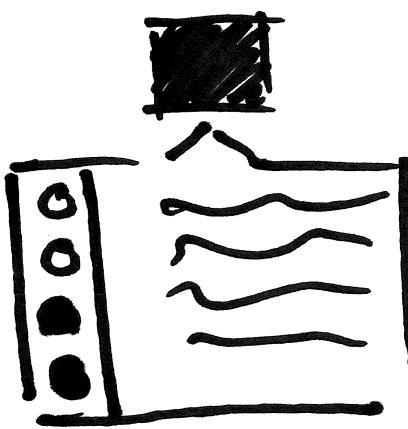
Scientist  
&  
Engineer  
Collaboration



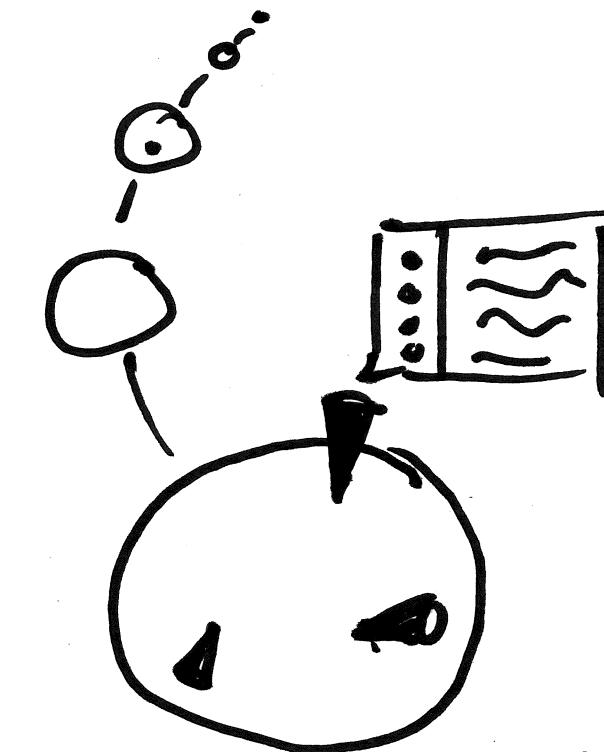
Empathetic



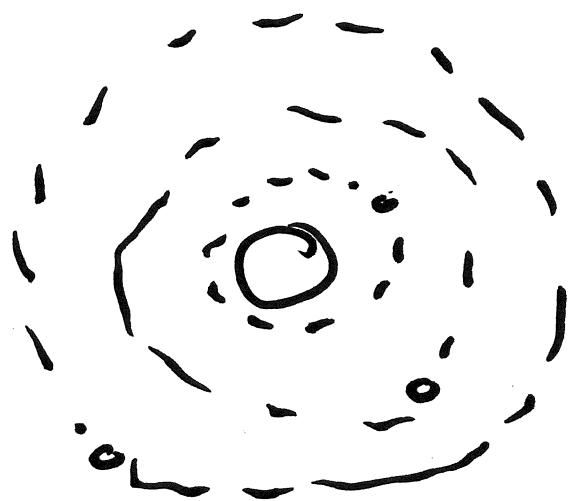
Emotionally aware



Extra Dimensional

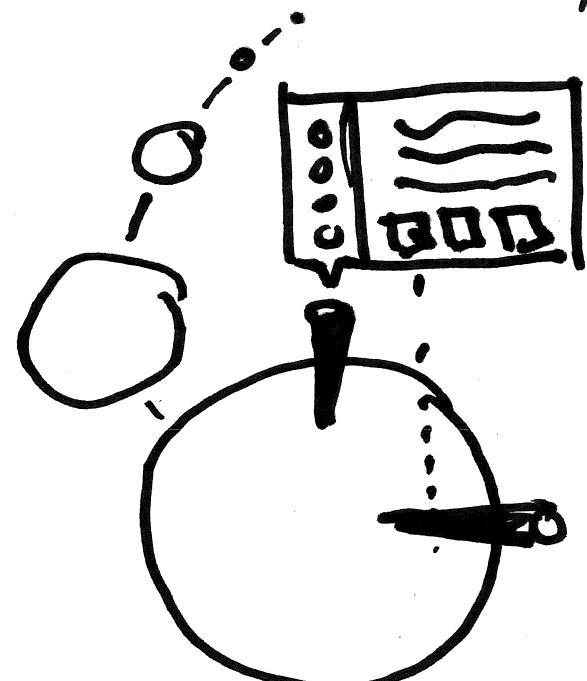


Adeptable



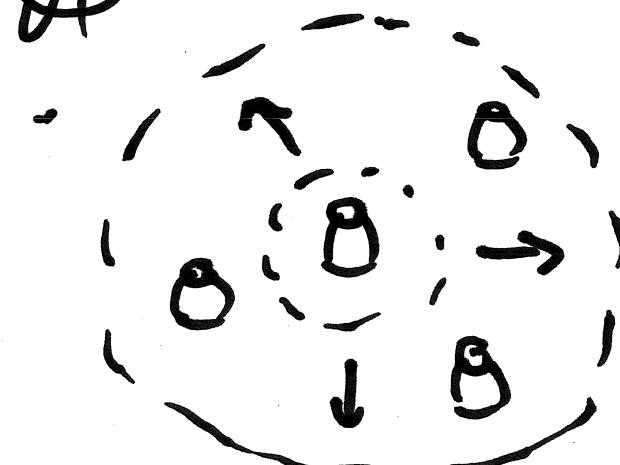
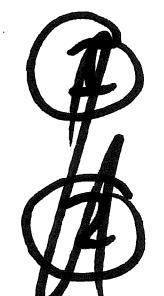
Access notes to reveal  
intention and purpose  
of data examination

~~Fixed Redundancy~~



Politics

staged data  
release over time



Integrate known  
connections w/ other  
data packets

stage release to first  
focus on visualizing  
past mission data.

Time invested in the  
data meter

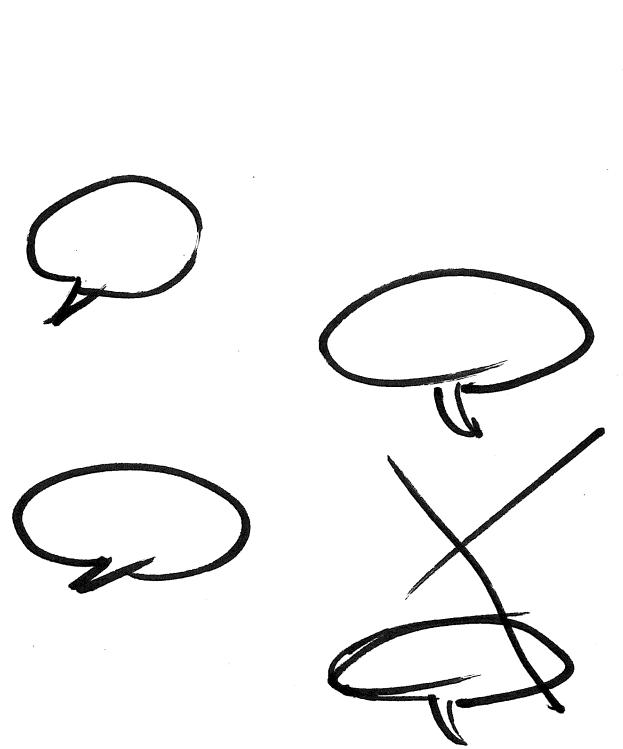
Print on the planet

Past  
↓  
Present  
↓  
Future

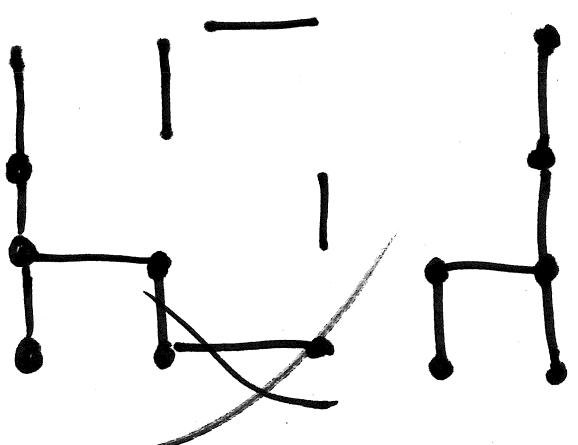
Encompass solar system  
in the VR reality  
to allow future missions  
Time sensitive



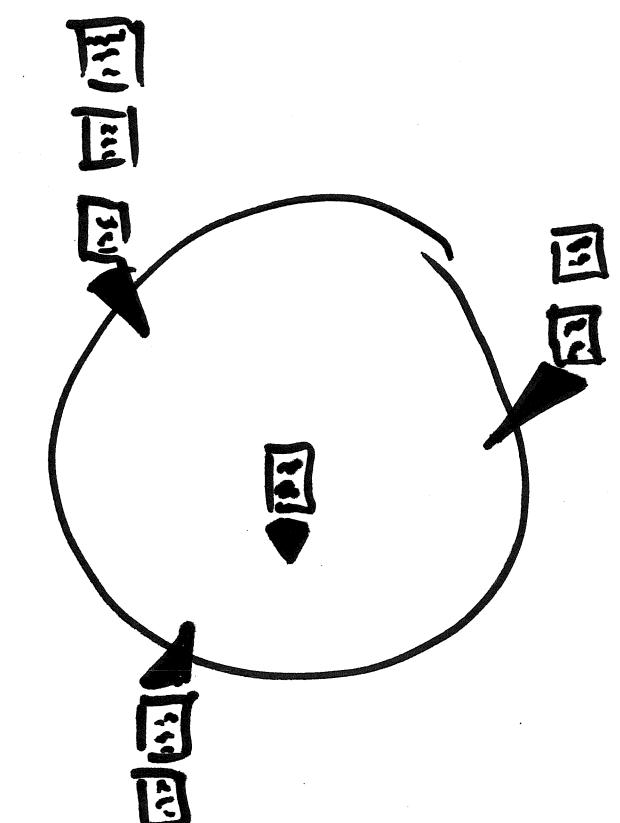
Voice sensitive to  
allow quick navigation



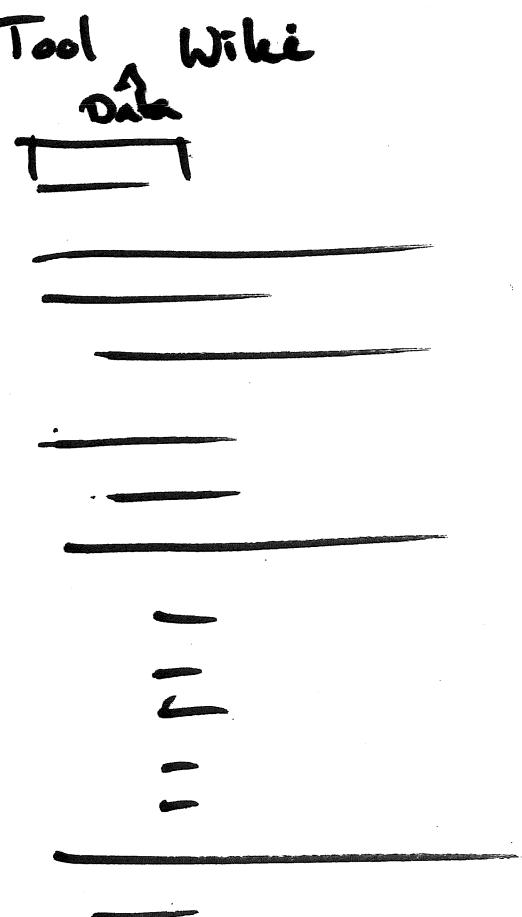
## Scientific activity indicators



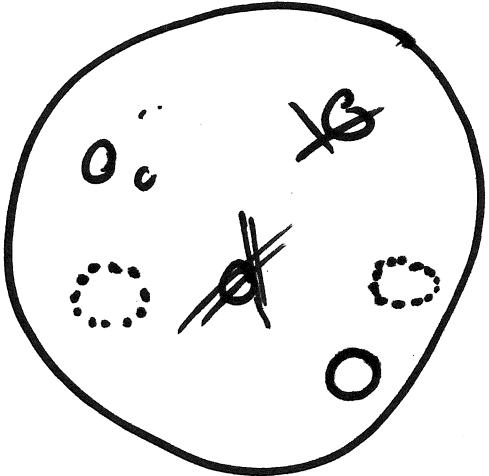
## Published paper indicator



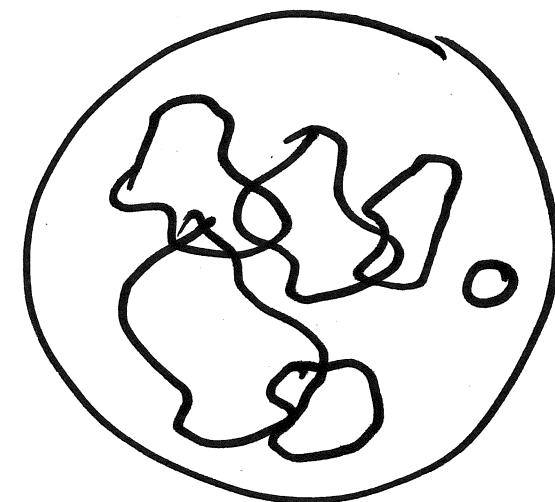
# Visualizing inferred vs. directly measured



... inferred  
— directly measured



Establish areas of overlapping interest.



# Scientist - Scientist Collaboration