1) Check-box-based Observations with vertical Context

Observations | **Context**

Context column (top to bottom):
- Geographic Area (obs5)
- Plant (obs4)
- Leaf (obs2a)
- Stem (obs3)
- Leaf (obs2)
- Exp Treatment (obs1)

Measurements

Entity	Exp Treatment	Leaf	Stem	Leaf	Plant	Geographic Area
Characteristic	Exp Treatment Level	Area	Length	Mass	Taxon Name	Geographic Name
Standard	ESA Exp Protocol	cm	cm	g	IPNI	ADL Gazeteer

Data

treatment	ar	diam	wt	spp	site
N	1.2	2	24	Liliopsida	A
P	0.3	3	5.6	Liliopsida	A
P	0.6	6	4	Pico r	B

2) Drop-down based Observation/Context definitions

Annotations

Context	obs5	obs3	obs4	obs3	obs1	---
Observation	obs1	obs2	obs3	obs2	obs4	obs5
Entity	Exp Treatment	Leaf	Stem	Leaf	Plant	Geographic Area
Characteristic	Exp Treatment Level	Area	Length	Mass	Taxon Name	Geographic Name
Standard	ESA Exp Protocol	cm	cm	g	IPNI	ADL Gazeteer

Data

treatment	ar	diam	wt	spp	site
N	1.2	2	24	Liliopsida	A
P	0.3	3	5.6	Liliopsida	A
P	0.6	6	4	Pico r	B

3) Grouped observations, ordered horizontal context

Observations

Reorder	Context					
Group by	Observation	Leaf (obs2)	Stem (obs3)	Plant (obs4)	Exp Treatment (obs1)	Geographic Area (obs5)

Measurements

Entity	Leaf	Leaf	Stem	Plant	Exp Treatment	Geographic Area
Characteristic	Area	Mass	Length	Taxon Name	Exp Treatment Level	Geographic Name
Standard	cm	g	cm	IPNI	ESA Exp Protocol	ADL Gazeteer

Data

ar	wt	dia	spp	treatment	site
1.2	24	2	Liliopsida	N	A
0.3	5.6	3	Liliopsida	P	A
0.6	4	6	Pico r	P	B