le spp. scheet aeross tree. slimming down spop to work wit:

-Salix is a nightmear (hybridize)

-add back in Vibrarian edule (12 it in there?)

- do all Betula, Acer, Populus, Quercus (Efforoble)

- sample across tree for more phylodoversty

- look up phylogery for Selix ? some may be resolved

- Quereus, Vilumum mobably well-resolved

g Inage's long-tern plots

4. August . 2014

house (GH) plots had greenhouse structures put in 1980's (that didn't work) so they are sed in we all the plot types?

to get internal data out of Excel cells? uje ask Jim for any ideas)

s doing Potatilla + 2 other spp counts to look individuals - does the same one go early my gr? (No.) Do spp w/ longer flowering Is have earlier individuals or do individuals larger (indiv. go larger for one sp. She looked at).

did evolution

nat GH plots are in what habitals?

- Willow plots are covered in willows, also not in any particular location

- Need to get habitat type for each plot

- VR - Veration (ion lily) removely plots

- EM - Eng turomun (glacier lily) meadow

- Rocky meadow plots (uplant)

- Heterophyca - biomodal

Sampling plats cont.

- Appen Forest (just what it sounds like, also upland)

- plot sizes ving? It 20 + warmy plots they sample a smaller space so always do no flowery

JD - Niche - Necetral - David

- mid - Daman work by Mareles
- rank / abundance to adjot neichant ask David

- other traits - now to measure to sever to stery model

Neutral therny works on island biogeography whendown spp. amivals II spatial walks of rank-abundance tregional spp. pool bookson, seems hard to adopt to the

- Could use Null blodels - mid - Danam (bout defines commicune, not spp overlap)

Variance Ratios \_ To did decis is committed

Build-Your-own: Nuetral works on abundances

-use all of David's plots to set regional pool

- use observed flavorry length + observed flowery Start to put spp into system drawny from

These & distributions

(1) Start w/ 1 sp. in plat -all start fromens at Sime wat 207 to florent gently time, also draw flowers length

- E next timestep, individual dies (based on some death rate) + space is occupied by new individual which can be some or new Sp. (drawn from regional pool) ly "mainland pool"

- (3) Ugh, you have to our Alis longer Alian a growing season - our long-term to steady state which gives overall distributions that app. may fall into.

dept. Nuetral also may make tradt predictions, maybe I should look into flat ...

Or some hylon 2? Set formery start + length by Epp. a put them in randomly with those constraints (eigh, sort of crowler) puttry whole traits into reutral model)

A - how do you adopt lottery model to time?

Niche-neutral cont

4. Aug. 2014 - spatiotemporal tottons model - damm deing is already spatrotemporal -> you get co-flowery by spp. ] individuals flowery across space

-> scale death rate to flowery length distributions

I swap individuals for flowers + nen whole thing way fester? (Is that all it takes? They all look at space, we Just look at time) took at space, ignory time. - so run basic model to equilibrium (or with alice at equilibrium) seem step three dynamics to see temporal sequence

(2) How to start season? Have to give each species a probability of flowery at each step? As well as allowy death at each step... (TP's idea)

1 How to start? (insit's idea) Open space up incrementally Mike I week snowmelt gong away & allow regular patterns. I forces the community over, while ( sort of forces a trait)

(F)-give all same pobability.

> carnyore dynamis yr to yr?