



Figure 4. (a-h) Ranges of CVs (min to max) across 20 replicates each of Abiotic and Regeneration varies scenarios. (i-j) Timeline plots for all species, showing years when Regeneration CVs > Abiotic CVs (red), when Regeneration and Abiotic CV ranges overlapped (purple), and when Abiotic CVs > Regeneration CVs (blue). Bars start after trees >4 m height are present. Points show point of intersection of mean CVs. Psme = Douglas-fir, Pico = lodgepole pine, Abla = subalpine fir, and Pien = Engelmann spruce.

## Discussion

- Patterns of early postfire regeneration establish long-term trajectories of landscape variability in stand structure
- Differences in species traits (e.g., serotiny, shade tolerance) and growth rates are reflected in among-stand variability
- As fire activity increases the extent of young forest, mean estimates of stand structure will not be sufficient to anticipate carbon storage, wildlife habitat, or the spread of future disturbances across forested landscapes

