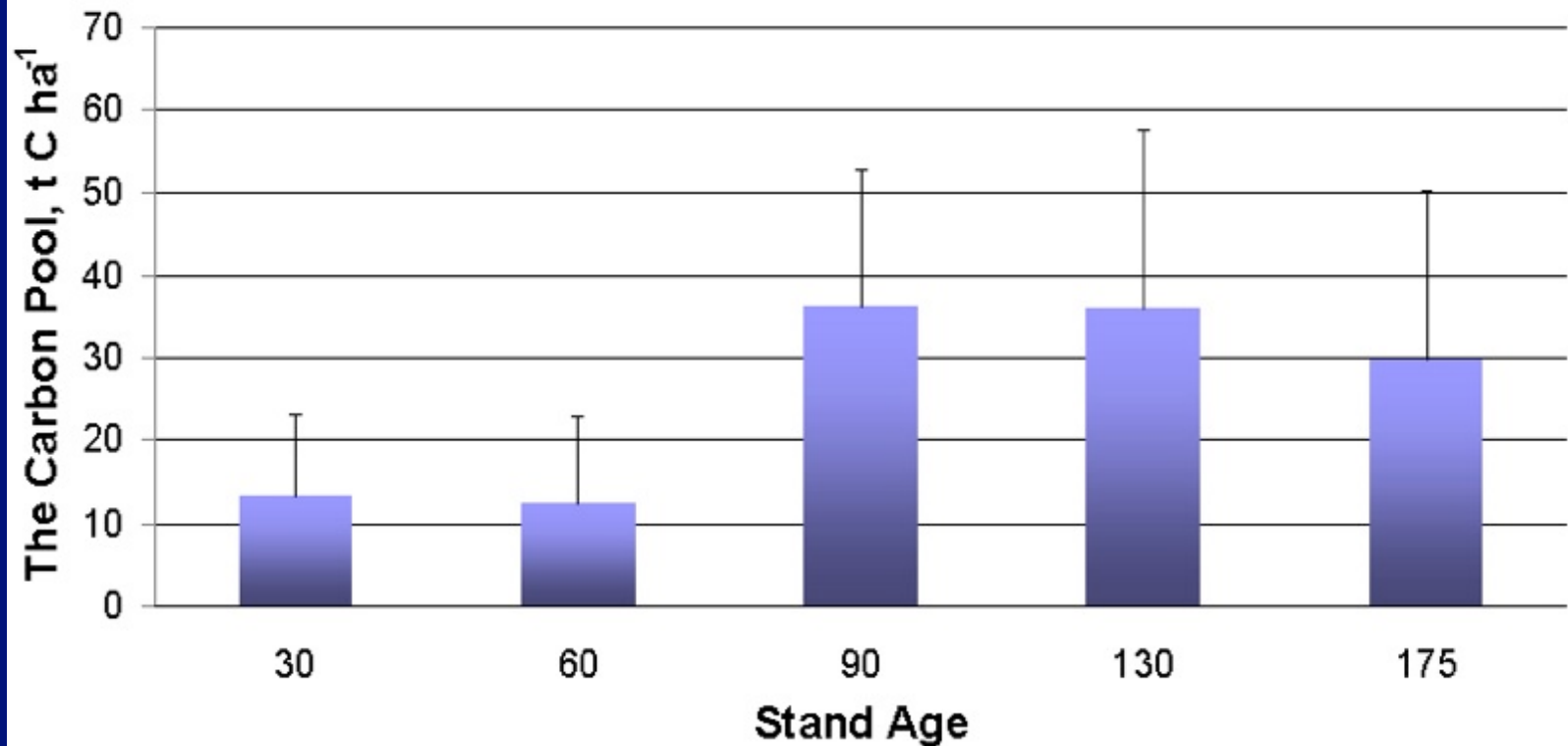


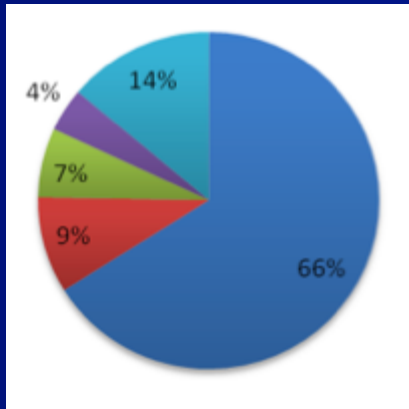
A. V. Makhnykina, O. V. Sergeeva,
N. N. Koshurnikova, S. V. Verkhovets

**The Dynamics of Carbon Pool in
Stand Phytomass and in Coarse
Woody Debris in the Pine Forests
of Middle Siberia**

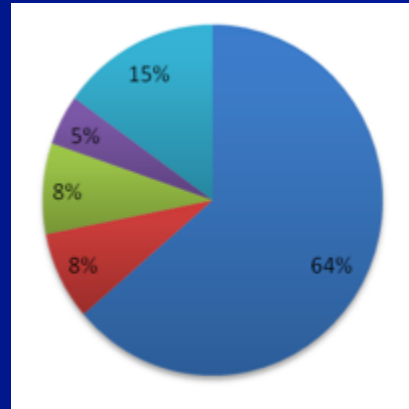
- The carbon pool in stand phytomass was found to vary from 12.3 to 36.2 t C ha⁻¹, with maximum in ripening and mature pine stands



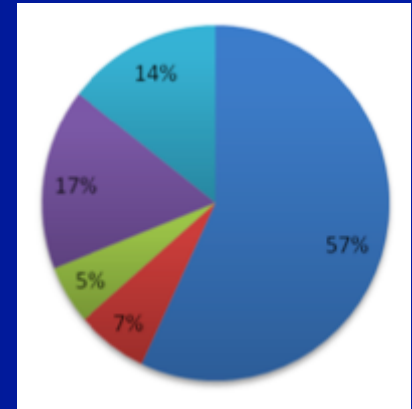
- **The contribution of photosynthetic apparatus to the carbon pool in stand phytomass increases from the young-growth to the ripening pine stands**



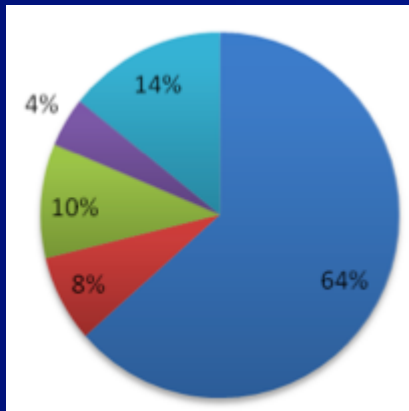
Young-growth stands



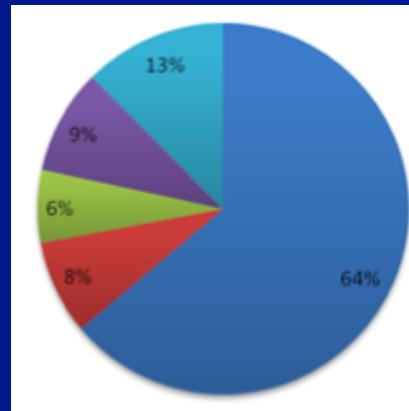
Middle-aged stands



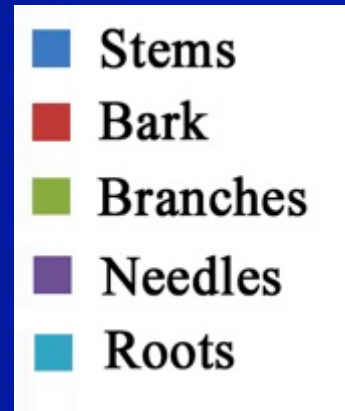
Ripening stands



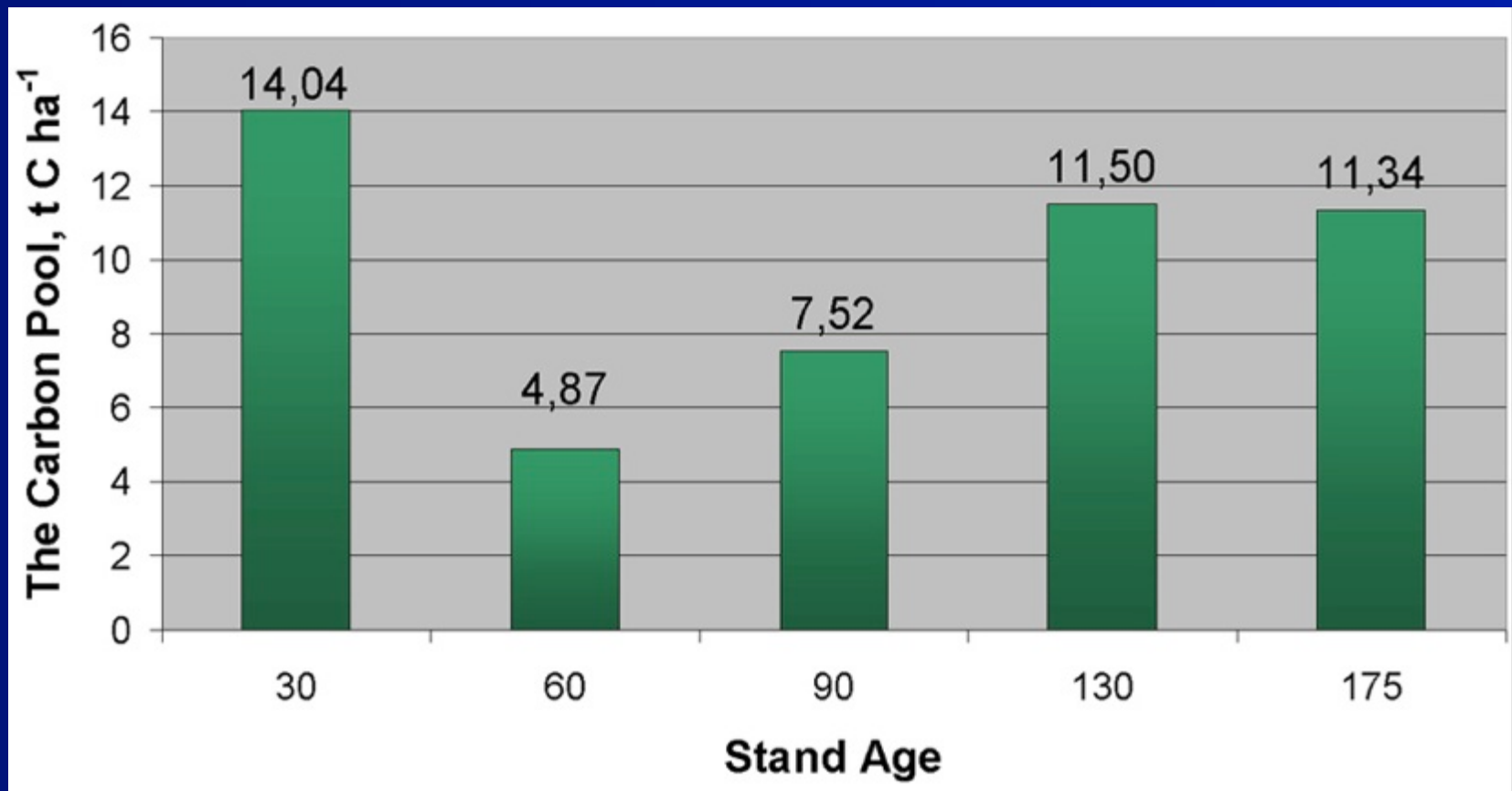
Mature stands



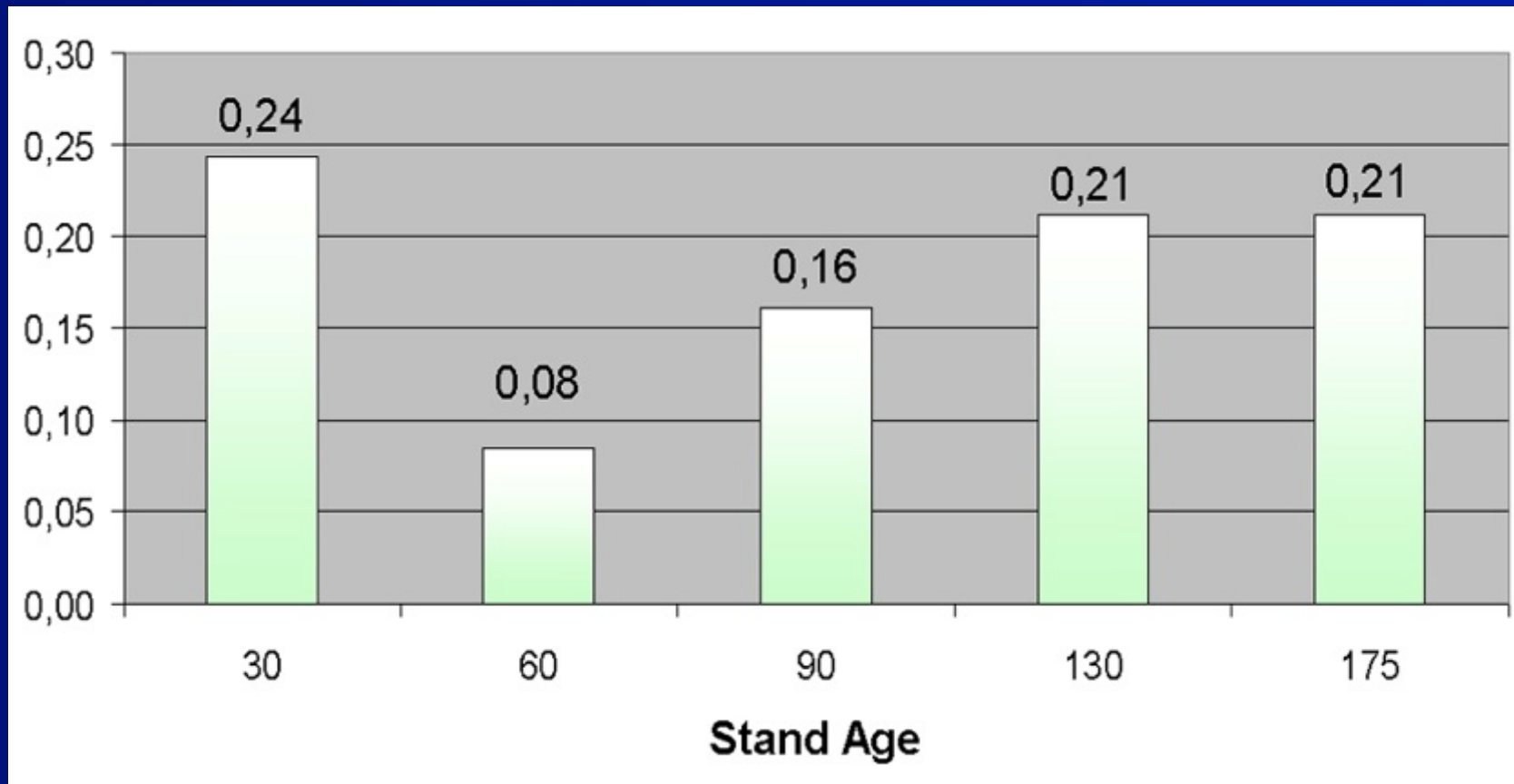
Overmature stands



- The carbon pool in coarse woody debris amounts to 4.9 – 14.0 t C ha⁻¹, with minimum in middle-aged and maximum in the young-growth stands



- **The average carbon emission from the coarse woody debris in pine forests was found to be 0.18 t C ha^{-1} per year.**



**Thank you for your
attention!**