How many trees are there in the World?

What is the Earth’s Land Surface?

(4)(pi)\*6400 km2\*25% ~400 million km2

What percent of the Earth is Tree Habitable?

Certainly not 100% but likely greater than 50%; so let’s say 75% (which is really no different than 100% in this kind of estimation)

How many trees are there in a typical square km?

Don’t know – do some research

Amazon basin, from satellite images has about 400 billion trees over 5.5 million sq km of rain forest or about 75,000 trees per sq km

Tree plantations in PNW ~ 120 trees/acre ~ 30,000 trees per sq km

Woodall etal 2005: The relative density of Forests in the US shows an average of about 100 trees per hectare ~ 10,000 km^2

Most of the world is neither the amazon basin or a managed forest in the PNW; so we will assume the rest of the world, over large areas (Europe, Russia, china, etc) comes in at 10,000 trees per sq km

So, let’s use that and see what we get:

**400 million \*.75 \* 10,000 = 3 trillion trees**

Note: In Sept. 2015 Crowther et al based on detailed analysis arrived at a global figure of 3.04 trillion which they claim was an order of magnitude large than originally estimated – by the way 10% of 3 Trillion = amazon basin!