

## **Wet scavenging tracer for AeroCom III model experiments**

### **Wet scavenging tracer:**

- Lead-210 (Pb-210). Pb-210 is formed from Rn-222 decay at a lifetime of 5.5 days (exponential decay rate =  $2.10 \times 10^{-6} \text{ s}^{-1}$ , equivalent to 3.8 days of half-life). Rn emission from land will be provided. Pb-210 wet scavenging should be implemented in the model with the same way as sulfate wet scavenging.