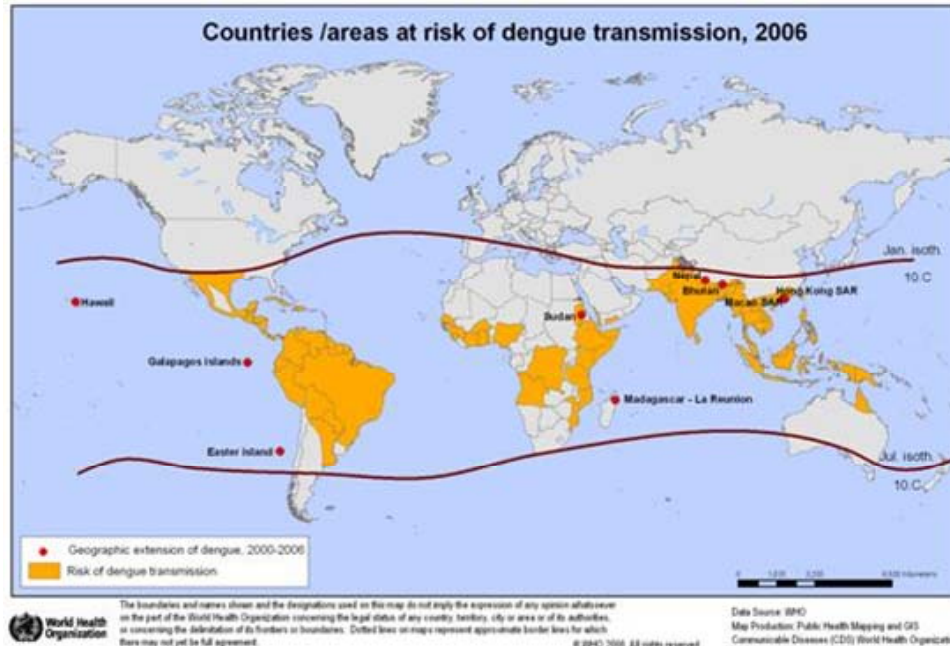




**Professor Usa Thisyakorn, M.D.
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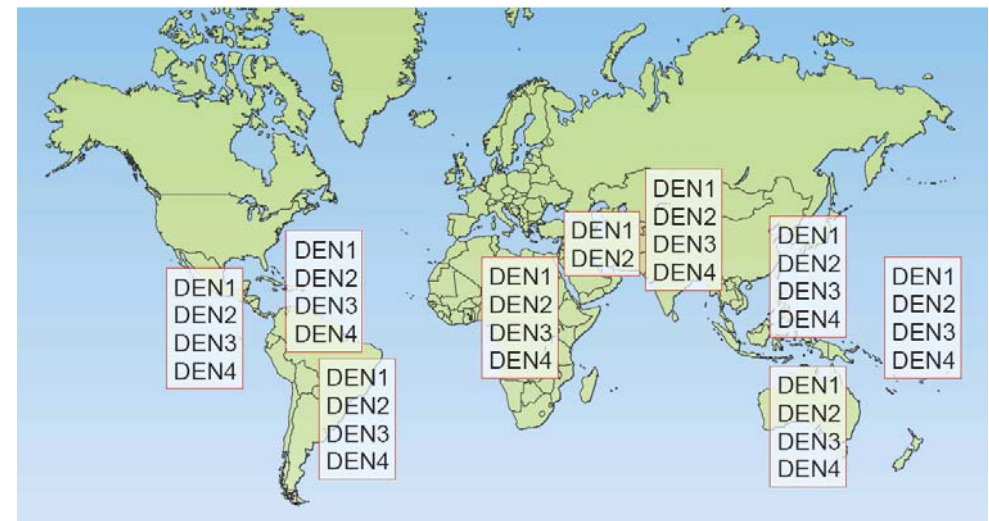
World Distribution of Dengue



- Mosquito-borne flavivirus infection (*Aedes aegypti* & *Aedes albopictus*)
- Four related but antigenically distinct virus serotypes

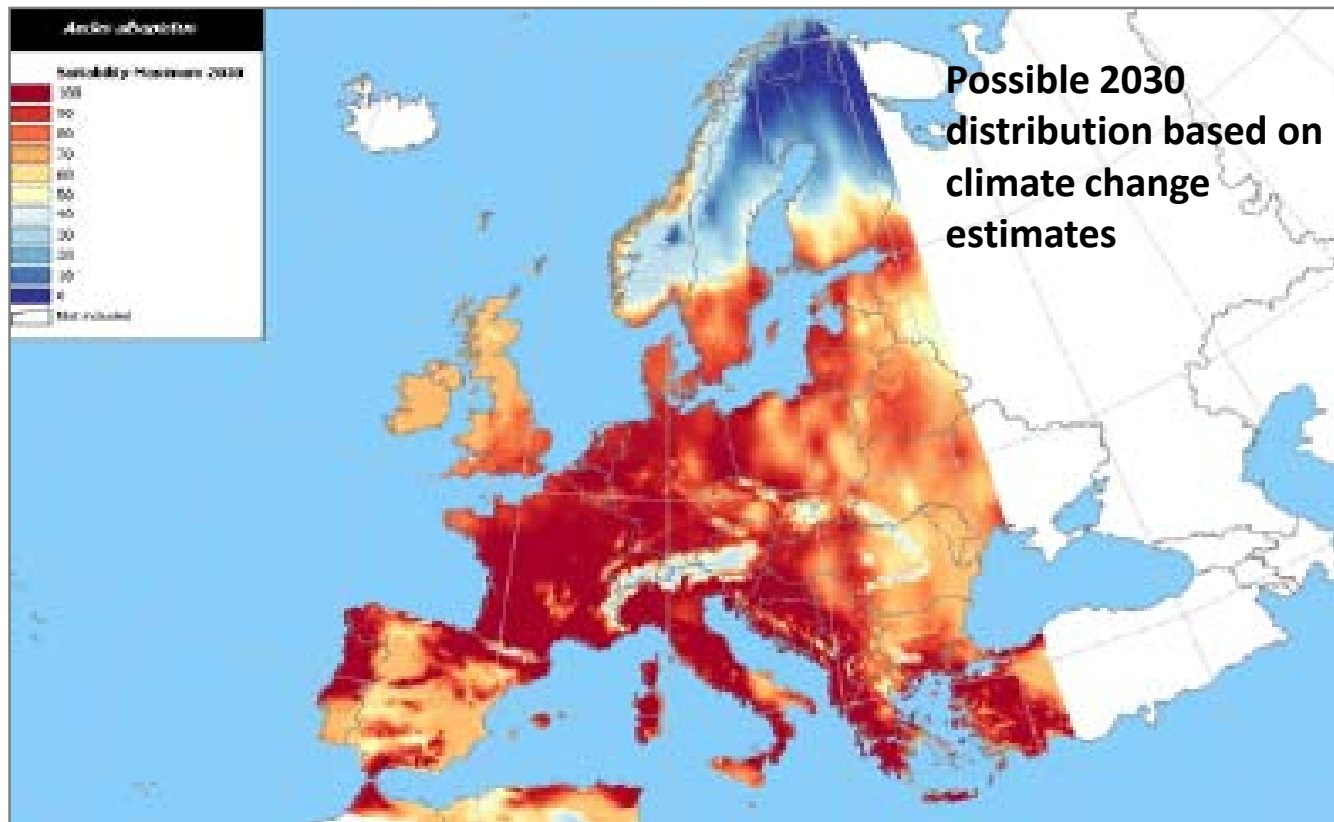
Source: <http://www.who.int/csr/disease/dengue/impact/en/>

- Dengue disease is present in > 112 countries and territories
- The four virus serotypes were isolated in all tropical areas
- It is a growing health concern



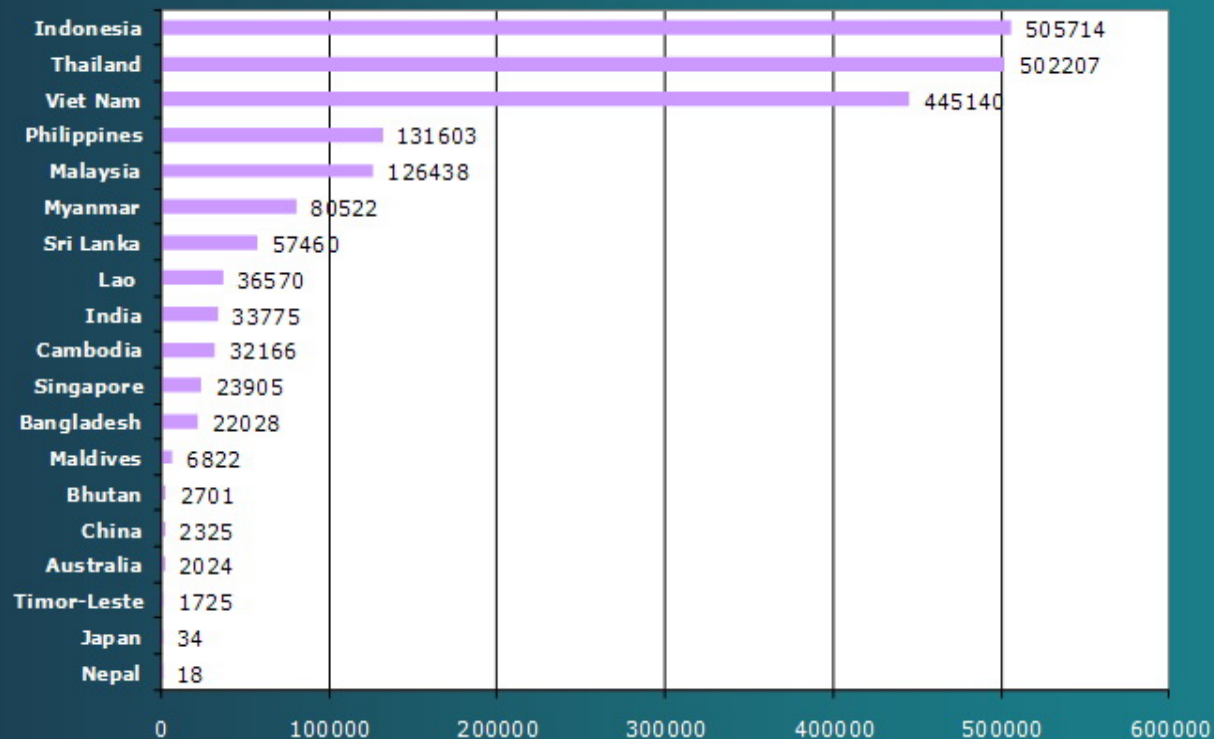
Dengue may spread to Europe

- Potential distribution of *Aedes albopictus* by 2030



The greatest dengue burden is in the Asia-Pacific region

Total dengue cases reported in Asia-Pacific 1998–2006 (from DengueNet)



- 75% of the global dengue burden is in the Asia-Pacific region
- Indonesia, Thailand and Viet Nam have the greatest number of reported cases

DENGUE

**The most important
arthropod-borne
viral disease of humans**