

## What is the critical role of social science in understanding the Earth system?

"The climate has softened, winters have warmed and summers have cooled, when I was a child, strong cold held for months, we have the legend about the bull of winter losing its horns . . ."

(elder Viliui Sakha inhabitant, 2005)



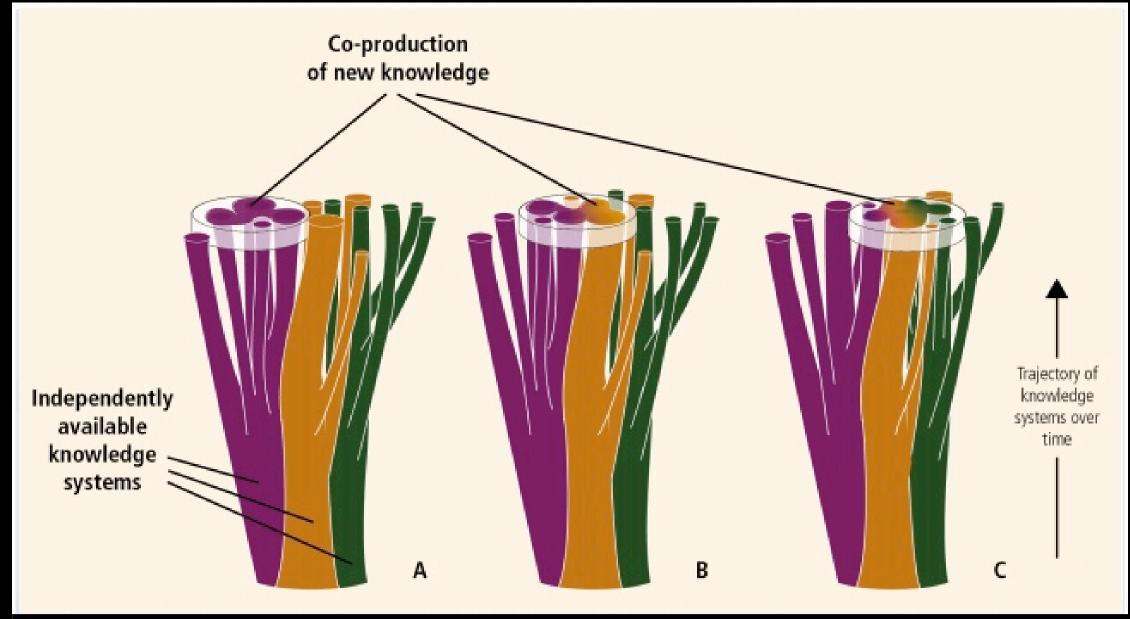








## HOW use all available knowledge systems to respond to change?



From: 2019 IPCC Special Report on Ocean and Cryosphere in a Changing Climate (SROCC)