Climate Literacy: The Essential Principles of Climate Science (USGCRP, 2009) Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources Total Number of Learning Activities in the CLEAN Collection for Climate Literacy Essential Principles and Their Distributions. Number of Resources in CLEAN Collection **Total Number of Resources** GP Some resources are relevant Middle School to multiple grade levels; Informed Climate Decisions: Humans can take actions (76) (57) (69) (42) High School therefore the total (#) is less to reduce climate change and its impacts. College than sum of (#), (#), (#). EP1 **(47) (33) (37) (18)** The Sun is the primary source of energy for Earth's climate system. EP2 Climate is regulated by complex interactions among (96) (63) (78) (51) components of the Earth system. EP3 (53) (43) (45) (13) Life on Earth depends on, is shaped by, and affects climate. EP4 Climate varies over space and time through both natural and man-made processes. (93) (66) (81) (49) EP5 Our understanding of the climate system is improved through observations, theoretical studies and modeling. (123) (81) (104) (71) EP6 (48) (37) (42) (25) Human activities are impacting the climate system. EP7 Climate change will have consequences for the Earth **••••** (104) (80) (94) (51) system and human lives. -----EAP Being aware of the role of energy in the Earth system •••••••••• and our society allows us to take actions to conserve, prepare and make informed energy choices. **Total Number**

of Learning
Resources
(365) (257) (317) (180)