Atmospheric System Research (ASR) Science Focus Areas

Name	National Lab	Link to more information & contacts:
Integrated Cloud, Land-surface, and Aerosol System Study (ICLASS)	Pacific Northwest	https://asr.science.energy.gov/projects/10979
Process-level AdvancementS of Climate through Cloud and Aerosol Lifecycle Studies (PASCCALS)	Brookhaven and Argonne	https://asr.science.energy.gov/projects/15588

Environmental System Science (ESS) Science Focus Areas

Name	National Lab	Link to more information & contacts:
Soil Carbon Response to Environmental Change	Argonne	https://ess.science.energy.gov/anl-sfa/
Wetland Hydro-Biogeochemistry	Argonne	https://ess.science.energy.gov/anl-wetland-sfa/
Belowground Biogeochemistry	Lawrence Berkeley	https://ess.science.energy.gov/lbnl-sfa/
Watershed Function	Lawrence Berkeley	https://ess.science.energy.gov/lbnl-watershed-function-sfa/
Biogeochemistry at Interfaces	Lawrence Livermore	https://ess.science.energy.gov/llnl-actinides-sfa/
Critical Interfaces Biogeochemistry	Oak Ridge	https://ess.science.energy.gov/ornl-mercury-sfa/
Terrestrial Ecosystem Science (SPRUCE)	Oak Ridge	https://ess.science.energy.gov/terrestrial-ecosystem-science-sfa/
River Corridor	Pacific Northwest	https://ess.science.energy.gov/pnnl-hydrobiogeochemistry-sfa/
Floodplain Hydro-Biogeochemistry	Stanford Linear Accelerator (SLAC)	https://ess.science.energy.gov/slac-floodplain-sfa/

Earth and Environmental Systems Modeling (EESMD) Science Focus Areas

Name	National Lab	Link to more information & contacts:
Global Change Intersectoral Modeling System (GCIMS)	Pacific Northwest	https://gcims.pnnl.gov/

Integrated Multisector Multiscale Modeling	Pacific Northwest	https://im3.pnnl.gov/
Reducing Uncertainty in Biogeochemical Interactions through Synthesis and Computation (RUBISCO)	Oak Ridge (lead), Lawrence Berkeley (co-lead)	https://climatemodeling.science.energy.gov/projects/reducing-uncertainty-biogeochemical-interactions-through-synthesis-and-computation-rubisco
Calibrated and Systematic Characterization, Attribution, and Detection of Extremes (CASCADE)	Lawrence Berkeley	https://climatemodeling.science.energy.gov/projects/calibrated-and-systematic-characterization-attribution-and-detection-extremes-cascade
High-Latitude Application and Testing of Earth System Models (HiLAT-RASM)	Los Alamos (lead), Pacific Northwest (co-lead)	https://climatemodeling.science.energy.gov/projects/high-latitude-application-and-testing-earth-system-models-hilat-rasm-phase-ii
Water Cycle and Climate Extremes Modeling (WACCEM)	Pacific Northwest	https://climatemodeling.science.energy.gov/projects/water-cycle-and-climate-extremes-modeling
Energy Exascale Earth System Model (E3SM)	Lawrence Livermore (lead), PNNL, LANL, LBNL, ORNL, ANL, SNL, BNL (co-leads)	https://e3sm.org/