Topic	Project name	Project URL	Description	Main variables	Begin date	End date	Primary Investigator	Affiliation	Contact
Soil	Give and Take: how much water does soil retain for trees?	https://www.wsl.ch/de/projekte/give-and-take-how-much-water-does-soil-retain-for-trees.html	Investigate the role of soils in the water balance of Swiss forest ecosystems.	Volumetric soil moisture, soil water potential	2019	2023	Katrin Di Bella Meusburger	WSL	katrin.meusburger@wsl.ch
Soil	GRADCATCH	http://p3.snf.ch/project-193667	Using natural environmental gradients to decipher the adaptation of soil microbial communities to climate change	soil microbial community	2021	2024	Peter Waldner	WSL	peter.waldner@wsl.ch
Vegetation	NFI	https://www.wsl.ch/en/forest/forest-development-and-monitoring/swiss-national-forest-inventory-nfi.html	Swiss National Forest Inventory NFI	State and changes of Swiss forest	1983		Christoph Fischer	WSL	christoph.fischer@wsl.ch
Vegetation	SanaSilva	https://www.wsl.ch/de/wald/waldentwicklung-und-monitoring/sanasilva-inventur.html	Forest health inventory	Crown condition	1985		Arthur Gessler	WSL	arthur.gessler@wsl.ch
Vegetation	Forest-CH	https://gl.ethz.ch/research/project-archive/forest-ch.html	Environmental Controls on Forest Growth in Switzerland	Forest growth	2011	2016	Nina Buchmann	ETHZ	nina.buchmann@usys.ethz.ch
Vegetation	TreeNet	https://treenet.info/	The biological drought and growth indicator network	Stem radius changes	2011		Roman Zweifel	WSL	roman.zweifel@wsl.ch
Vegetation	DeepT	https://www.wsl.ch/de/projekte/deept-deep-neural-network-algorithms-to-recognize-species-and-their-specific-response-patterns-in-stem-growth-data-of-treenet.html#tabelement1-tab2	Using deep neural network (DNN) algorithms in order to recognize tree species, growth patterns and tree water deficit-induced stem shrinkage characteristics	Stem radius changes	2020	2021	Roman Zweifel	WSL	roman.zweifel@wsl.ch
Vegetation	MapCland	https://www.essoar.org/doi/10.1002/essoar.10507264.1	UAV LiDAR scannning	Above-ground biomass, lidar close-range point cloud data (ecosystem geometry), multispectral close-range data (ecosystem spectroscopy)	2021	2021	Thomas Friborg	Copenhagen University (KU) Dept. of Geoscience and Natural Resources Management (IGN)	tfj@ign.ku.dk
Vegetation	LWF Regeneration Sampling		Long-term Forest Regeneration Monitoring in LWF Sites	Seed production and seedling dynamics	2021	2022	Janneke Hille Ris Lambers	ETHZ	janneke.hillerislambers@usys.ethz.ch>
Atmosphere	NABEL	https://www.empa.ch/web/s503/nabel	National Air Pollution Monitoring Network	Air Pollution	1990		Christoph Hüglin	Empa	christoph.hueglin@empa.ch
Ecosystem	LWF	https://www.wsl.ch/de/ueber-die-wsl/programme-und-initiativen/langfristige-waldoekosystemforschung-lwf.html	Long-term Forest Ecosystem Research	Meteorological data, Soil moisture, Ozone, Foliar concentrations, Atmospheric deposition	1994		Arthur Gessler	WSL	arthur.gessler@wsl.ch
Ecosystem	Swiss FluxNet	http://www.swissfluxnet.ch/	Ecosystem-scale CO_2 and H_2O vapour (at some sites also CH_4 and N_2O) eddy-covariance flux measurement sites in Switzerland.	CO2, H2O, N2O, CH4	2004		Nina Buchmann	ETHZ	nina.buchmann@usys.ethz.ch
Ecosystem	FoResp	https://gl.ethz.ch/research/project-archive/foresp.html	CO_2 budget and respiration components in two contrasting forest ecosystems in the Alps: Are there similarities with boreal forests?	CO2	2007	2010	Werner Eugster	ETHZ	werner.eugster@usys.ethz.ch
Ecosystem	DendroNEP	https://gl.ethz.ch/research/project-archive/dendronep.html	Linking dendrochronological information with net ecosystem productivity of forest ecosystems	CO2, tree growth	2011	2013	Werner Eugster	ETHZ	werner.eugster@usys.ethz.ch
Ecosystem	ProDoc	https://gl.ethz.ch/research/project-archive/prodoc.html	Forest ecosystem responses to climatic drivers	CO2, H2O	2011	2014	Nina Buchmann	ETHZ	nina.buchmann@usys.ethz.ch
Ecosystem	ICOS-CH	https://www.icos-switzerland.ch/	Swiss contribution to the Integrated Carbon Observation System Research Infrastructure	CO2, H2O	2013	2025	Nina Buchmann (National Focal Point)	ETHZ	nina.buchmann@usys.ethz.ch
Ecosystem	RINGO	https://gl.ethz.ch/research/bage/Ringo.html	Readiness of ICOS for necessities of integrated global observations	N2O, CH4	2017	2020	Nina Buchmann	ETHZ	nina.buchmann@usys.ethz.ch

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Ecosystem	Sino-Swiss Science and Technology Cooperation (SSSTC)	http://p3.snf.ch/Project-170176	Linkage between deposition and air-surface exchange of mercury in forest ecosystems: a comparative study between Switzerland and China	Hg	2017	2020	Christine Alewell; Feng Xinbin	Uni Basel; Chinese Academy of Sciences	christine.alewell@unibas.ch
Ecosystem	FEVER	https://gl.ethz.ch/research/bage/fever.html	Forest Vulnerability to Extreme and Repeated Climatic Stress	CO_2, H_2O	2020	2023	Mana Gharun	ETHZ	mana.gharun@usys.ethz.ch
Ecosystem	eLTER	https://www.wsl.ch/en/projects/elter-switzerland.html	The Long-Term Ecological Research in Europe		2020	2024	Marcus Schaub	WSL	marcus.schaub@wsl.ch
Ecosystem	EcoDrive	https://gl.ethz.ch/research/bage/ecodrive.html	Unravel the changing contributions of abiotic vs. biotic drivers of ecosystem gas exchange under weather extremes	CO_2, H_2O	2021	2023	Nina Buchmann	UZH, ETHZ	nina.buchmann@usys.ethz.ch
Ecosystem	COCO	https://gl.ethz.ch/research/bage/coco.html	COS and below-canopy CO_2 fluxes of two Swiss forests: understanding land-atmosphere ecosystem exchange	CO_2, COS, H_2O	2021	2024	Nina Buchmann	ETHZ	nina.buchmann@usys.ethz.ch