Timeline of Satellite Earth Observations for Biodiversity Monitoring Multispectral-Thermal-**AVHRR** ----Multispectral-Thermal-Landsat-TM -----Multispectral **SPOT-HRV** ----- Multispectral-Thermal-**ERS-ATSR** -Multispectral-**SPOT-HRVIR** -Multispectral-SPOT-Vegetation --- Multispectral CBERS-IRMSS/WFI ---- Multispectral **IKONOS** Multispectral-Thermal Landsat-ETM+ - Multispectral-Thermal **ASTER** ---Multispectral-Thermal-**MODIS** -----Multispectral EO-1-ALI -----Hyperspectral EO-1-Hyperion Passive sensors ----Multispectral-Thermal-Suomi NPP-VIIRS ----- Multispectral-QuickBird ----Multispectral-Thermal **Envisat-AATSR** ----Multispectral-Thermal **FY-1-MVISR** -----Multispectral **SPOT-HRG** -----Multispectral Resourcesat-LISS-AWiFS ----Multispectral Formosat – 2 ---- Multispectral **ALOS-AVNIR-2** ----- Multispectral-Thermal **FY-3-MERSI** ----- Multispectral GeoEye - 1-----Hyperspectral HJ-1A-HSI ----- Multispectral-Thermal-IRMSS-HJ-1B -----Multispectral-RapidEye ----Multispectral WorldView - 2 ---- Multispectral Pleaides-HiRI Multispectral-Thermal-Landsat-OLI ----- Multispectral -Planet -----Multispectral-Thermal Sentinel-2A WorldView - 3 -Multispectral -Radar-C-Band-**ERS-AMI-SAR** --- Radar-C-Band RadarSat - 1 Radar-C-Band **Envisat-ASAR** Large-footprint LiDAR-**ICESat-GLAS** Active sensors Community Composition -Radar-L-Band-**ALOS-PALSAR** Radar-X-Band Cosmo – SkyMed – SAR **Ecosystem Function** Radar-C-Band-RadarSat – 2 **Ecosystem Structure** Radar-X-Band TerraSAR - X **Species Populations** ----Radar-X-Band Tandem - X **Species Traits** --Radar-C-Band-RISAT-1Open access --Radar-C-Band-Sentinel-1A Restricted **ALOS-PALSAR-2** Radar-L-Band 1990 1970 1980 2000 2010 Years in Operation