Timeline of Satellite Earth observations for Biodiversity Monitoring AVHMultispectral-Thermal-----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 Suomi NPP-VIIRS ---- Multispectral-Thermal------Multispectral OuickBird ----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 Multispectral WorldView - 3 ---Radar-C-Band-**ERS-AMI-SAR** ---- Radar-C-Band RadarSat - 1 -Radar-C-Band-**Envisat-ASAR ICESat-GLAS** Large-footprint LiDAR Active sensors -Radar-L-Band-**ALOS-PALSAR Community Composition** Radar-X-Band Cosmo – SkyMed – SAR **Ecosystem Function** Radar-C-Band RadarSat - 2 **Ecosystem Structure** Radar-X-Band TerraSAR - X **Species Populations** Tandem - X ---- Radar-X-Band **Species Traits** ----Radar-C-Band RISAT - 1Open access -----Radar-C-Band Sentinel-1A Restricted ----Radar-L-Band **ALOS-PALSAR-2** 1970 2010 1980 1990 2000 Years in operation