- FELs+ LASERS
  - Facility 1
    - Facility Mainsheet
      - Short facility name
      - Facility name
      - Facility type
        - FEL
          - Xray FEL
          - IR FEL
        - LASERS
          - Lasers
            - VR-IR
            - UV
          - Laser-based light sources
            - THz radiation
            - VUV-XUV
            - X-rays
            - Gamma-rays
      - Description
      - Address
      - Tags
      - Contacts
        - Zip code
        - City
        - Country
        - Managing institution
        - Phone
        - Fax
        - Email
        - Website
        - Online user office address
        - Online user office Umbrella login page
      - Teaser Image, Banner Image (displayed here and chosen from Pictures)
      - Teaser text
      - Beamlines list with Disciplines and Techniques (displayed here, filled at Beamline level)
      - Proposals
        - Proposal submission description info address
        - Proposal submission description info
        - Call for proposals
          - Call for proposals date
      - Peak power (vs repetition rate)
      - Brilliance
      - Media
        - Videos
          - Video 1
          - Video n
        - Documents
          - Doc 1
          - Doc n
        - Pictures
          - Picture 1
          - Picture n
      - Machine status image link
      - Operative Beamlines
      - Beamlines under construction
      - Photon beam/ Laser parameters
        - FEL mode (SASE, seeded, ...)
        - Source type (HHG, betatron, K-alpha etc)
        - Laser type (Ti:Sapphire, etc)
        - Photon energy range/ wavelength range
        - Peak photon energy/ central wavelength
        - Photon energy/wavelength fluctuations (%, RMS)
        - Fluctuations of the peak photon energy/central wavelength
        - Spectral Bandwidth FWHM (meV/nm)
        - Tunability (% of peak photon energy/central wavelength)
        - Beam shape (Gaussian/flat top/other)
        - Pulse duration FWHM
        - Polarisation
        - Pulse repetition rate
        - Maximum pulse energy
        - Pulse energy fluctuations (sigma)
        - Peak power
        - Peak fluence on target
        - Average fluence on target
        - Contrast (ps/fs)
        - Peak intensity on target
        - Source size (spot)
        - Pointing stability at the source
        - Pointing stability on target
        - Beam diameter
        - Macropulse (train) duration
        - Macropulse (train) Repetition Rate
        - Any other proposed physical parameters
  - Beamlines
    - Beamline 1
      - General
        - Description
        - Name
        - External link
        - Beamline address (optional)
        - Beamline contact
        - Beamline layout
        - Disciplines
          - Subdisciplines
        - Techniques
          - Subtechniques
        - Link to publications
        - Control/ Data analysis
          - Control software type
          - Data output type
          - Data output format
          - Software(s) for data analysis
        - Numerical simulations with user conditions
        - Equipment that can be brought by the user
        - Other equipment available on site
        - Possibility to connect external endstation (Yes/No)
      - Photon source/ Laser-based light source parameters
        - Photon source/ Laser-based light source 1
          - FEL mode (SASE, seeded, ...)
          - Source type (HHG, betatron, K-alpha, etc)
          - Photon energy range/ wavelength range
          - Peak photon energy/ central wavelength
          - Photon energy/ wavelength fluctuations (%, RMS)
          - Fluctuations of the peak photon energy/ central wavelength
          - Spectral Bandwidth FWHM
          - Tunability (% of peak photon energy/ central wavelength)
          - Beam shape
          - Pulse duration FWHM
          - Polarisation
          - Pulse repetition rate
          - Maximum pulse energy
          - Pulse energy fluctuations
          - Peak power
          - Peak fluence on target
          - Average fluence on target
          - Special modes
          - Contrast (ps/fs)
          - Peak intensity on target
          - Source size (spot)
          - Pointing stability at the source
          - Pointing stability on target
          - Beam diameter
          - Macropulse (train) duration
          - Macropulse (train) repetition rate
          - Any other proposed physical parameters
        - Photon source/ Laser-based light source n
      - Additional lightsource
        - Additional lightsource 1
          - Laser type (Ti:Sapphire, etc)
          - Central wavelength (nm)
          - Wavelength fluctuations
          - Spectral Bandwidth FWHM(meV)
          - Tunability (% of peak photon energy/ central wavelength)
          - Beam shape
          - Pulse duration FWHM
          - Polarisation
          - Pulse repetition rate
          - Maximum pulse energy
          - Pulse energy fluctuations
          - Peak power
          - Peak fluence on target
          - Average fluence on target
          - Special modes
          - Contrast (ps/fs)
          - Peak intensity on target
          - Pointing stability at the source
          - Pointing stability on target
          - Macropulse (train) duration
          - Macropulse (train) repetition rate
          - Any other proposed physical parameters
        - Additional lightsource n
      - Optics
        - Angle of incidence light on sample
        - Diagnostics
        - Max flux on sample
        - Mirrors
          - Mirror 1
            - Active
            - Type
              - Toric
              - Elliptical
              - KB
              - Other
            - Type Other (active only if Type is Other)
            - Focal length (mm)
            - Spot size Hor (um)
            - Spot size Vert (um)
            - Divergence Hor (mrad)
            - Divergence Vert (mrad)
          - Mirror n
        - Monochromator
        - Other optics
      - Endstations
        - Endstation 1
          - Sample
            - Base pressure
            - Diffractometer
            - Spectrometer
            - Microscopes
            - Sample Type
              - Crystal
              - Amorphous
              - Fiber
              - Powder
              - Gel
              - Liquid
              - Gas
              - Other
            - Required sample size (um)
            - Required sample volume (mL)
            - Mounting type ( vacuum, clump, grease, glue,ecc)
          - Sample Environment
            - Pressure min (mbar, bar, GPa)
            - Pressure max (mbar, bar, GPa)
            - Temperature [K]
            - Humidity [%]
          - Sample holder
            - Sample holder 1
              - Type
              - Description
            - Sample holder n
          - Detectors available
          - Technique usage
            - text depending on Technique / subTechnique
          - Manipulator
            - Degrees of freedom
            - Translator stages
            - Cradles
            - Precision
            - Range of movement
          - Magnetic fields
            - AC fields
            - Max AC field
            - DC fields
            - Max DC field
          - Endstation operative
        - Endstation n
      - Detectors
        - Detector 1
          - Type
          - Description
          - Time resolved (y/n)
          - Pixel size (um)
          - Array size (pixel)
          - Thickness
          - Passive or active (electronics)
          - Dynamic range
          - Signal / noise ratio
          - Output readout software
          - Atomic composition
          - Density
          - Detection
            - Detected particle
              - Electron
              - Ion
              - Photon
            - Coincidence (y/n)
        - Detector n
      - Support laboratories
        - Support laboratory 1
          - Description
        - Support laboratory n
  - Beamline n
- Facility n