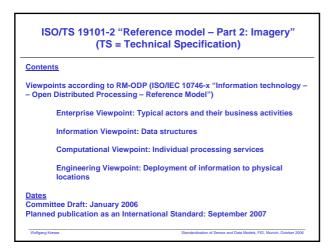
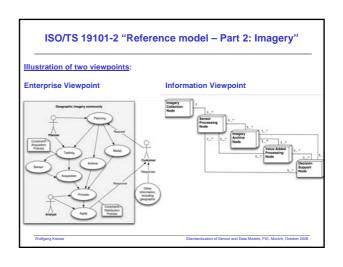
Standardization of Sensor and Data Models Wolfgang Kresse kresse@hs-nb.de







ISO 19115-2 "Metadata — Part 2: Metadata for imagery and gridded data" Contents Data quality eg processing steps, usability Content information eg bands, image description Spatial representation georectified data, eg orthophoto georeferenceable data, eg aerial image Acquisition information eg instrument, platform, objective Dates Committee Draft: November 2005 Planned publication as an International Standard: March 2008

ISO 19115-2 "Metadata —
Part 2: Metadata for imagery and gridded data"

Link between ISO 19115-2 and national metadata standards for imagery:
Registry according to ISO 19135

ISO 19130 "Sensor data models for imagery and gridded data" Contents

Platforms: airborne spaceborne waterborne

Interior orientation: optics (focal length, principal point, distortion)

Exterior orientation: position, attitude

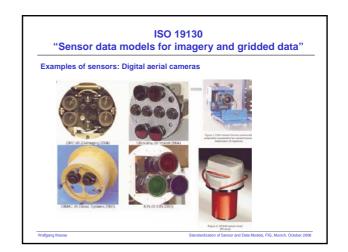
ground control points
GPS, Inertial Measurement Unit (IMU)
functional fit model

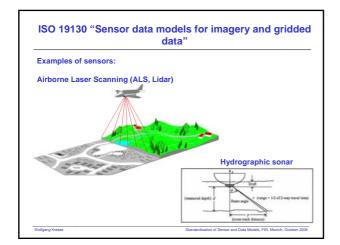
velocity, acceleration

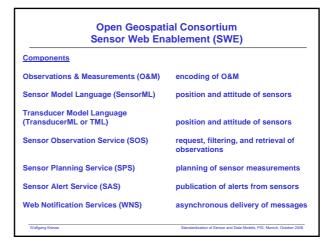
Dates

Cancellation in March 2006 because of expiration of 5-year-period

New Work Item Proposal: project leader from Seicorp (U.S.A.), editor from Germany







International Society for Photogrammetry and Remote Sensing (ISPRS) and European Spatial Data Research (EuroSDR): Calibration and Orientation **Topics** Direct sensor orientation Misalignment calibration of Inertial Measurement Unit (IMU) and digital aerial camera Geometric and radiometric calibration of multi-head / multispectral **Calibration of Optical Satellite Sensors** Ground test-fields for digital cameras

Thank you