Figure 4a: OXIGEN Pert Chart

WP 1: Project Definitions and Specification
Leader SIEMENS - Assistance from all Beneficiaries
1. Specify high temperature alloy compositions
2. Define powder production methods
3. Benchmark existing materials and components (barriers)
4. Define demonstrators components (targets)
5. Define modeling techniques
6. Specify sensor requirements

WP 2: Design Adoption and Sensor Embedment
Leader IVENCKO
- Design optimisation
- Methods of sensor integration
- Life cycle assessment
- Optic fibre sensor development
  - Protective jacket
  - FBG optimisation
- Temperature compensation

WP 3: Materials Development
Leader ULIV
- Material selection
- Development of high temperature resistant alloys
- Optimisation of material workability
- Materials Modelling (Thermodynamic calculations)
- Evaluation of test specimens
- Material Certification

WP 4: Powder Materials Production, Characterisation and Optimisation
Leader MSN
- Materials Analysis
- Synthesis by High energy ball milling
- Powder recycling
- Production of powder for test specimens

WP 6: Technology Demonstration and Validation
Leader SIEMENS
- Production of certified reference powder materials
- Manufacture of demonstrator components using AM and conventional powder processing technologies
  - Test and evaluation at end users
  - Embedded sensors
- Demonstrator validation

WP 7 Exploitation and Dissemination
Leader ALSTOM
Protection of project results, plan for exploitation and dissemination

M0
M4
M18
M36
M42
M48
Development/Production
Research/Material Development
Milestone Review Point
Final Report
Description of Milestone Review
Description of Milestone Review