

## 1 PSBLAS

- The Conjugate Gradient Method
- Parallel Environment
- Computational kernels
  - The Conjugate Gradient Method
- Data Distribution
- Sparse matrices
- Data Management
- Preconditioned iterations

## 2 AMG4PSBLAS

- AMG Setup

## 3 User's Interface

- Example of use
- Use in dealii.X

## 4 Experiments on linear systems

- Weak scalability on Leonardo

## ● Bibliography