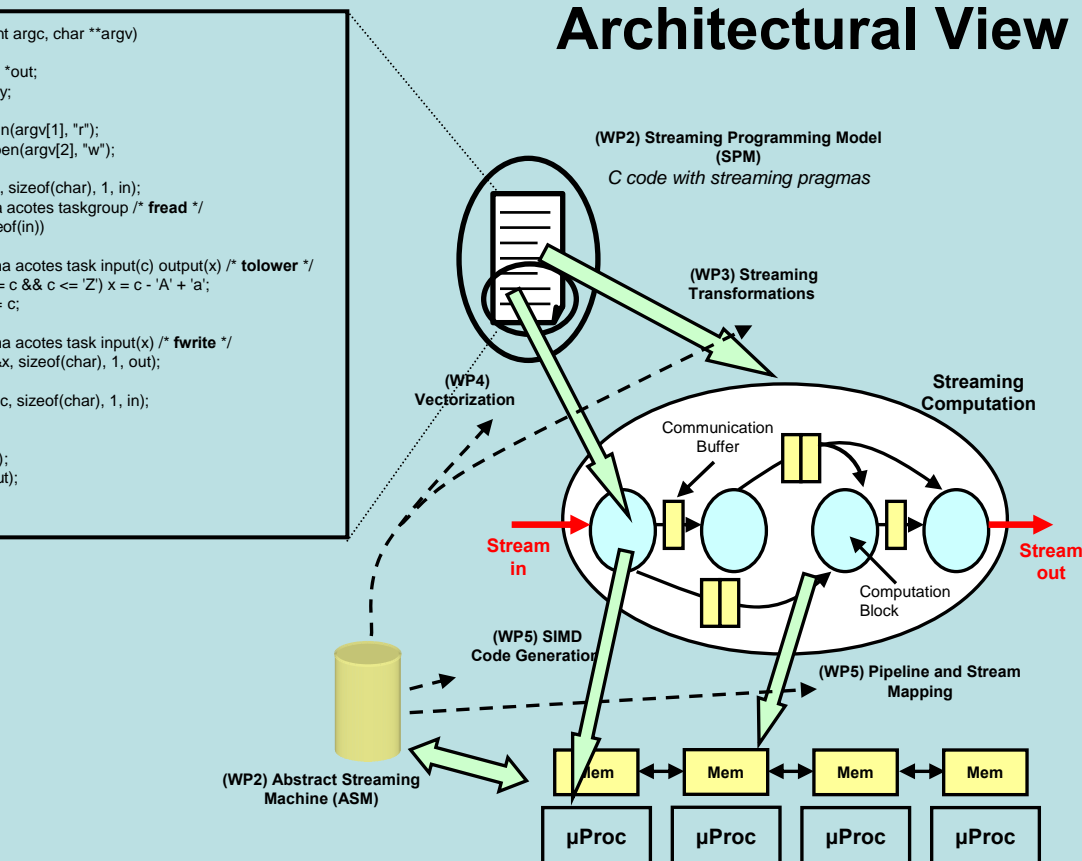


## First Year Results

### Architectural View



### Streaming Programming Model:

- Modeled as multiple tasks connected through one-to-many directional streams
- Stream-based synchronisation
- Extensions to C (pragmas), adapted from OpenMP
- Static

### Tool Flow View

#### Abstract Streaming Machine:

- Model of the target architecture
  - available compute engines
  - engine interconnects
- Parameterised by the MDF
- Incorporates cost model (e.g. a simulator)
- Enables application partitioning on the engines

