

SocLib is an open IP-core library, with at least 3 implementations:

- CABA (Bit cycle accurate) in [SystemC]
- Tlm-T (Transaction level modeling with time) in SystemC
- RTL (Register transfer layer) in Vhdl or Verilog

Many IPs are defined, in which:

- CPUs (PPC, OpenRisc, Mips, ...)
- Rams, Roms, ...
- Interconnection components (Micro-networks on chip (NoC) and Buses)
  - ◆ VCI
  - ◆ PI-Bus
- Dedicated components for application support
  - ◆ SpinLock oriented rams (RamLocks)
  - ◆ MwMr controllers

It may be obtained on [?https://www-asim.lip6.fr/trac/soclib](https://www-asim.lip6.fr/trac/soclib)

At the moment, DSX requires Turquoise branch from SoCLib. Get it from [?https://www-asim.lip6.fr/svn/soclib/branches/turquoise/soclib](https://www-asim.lip6.fr/svn/soclib/branches/turquoise/soclib)