

Welcome to SoCLib project home page

•

[Enter technical part](#)

What is SoCLib

- SoCLib is an open platform for virtual prototyping of multi-processors system on chip (MP-SoC).
- The core of the platform is a library of SystemC simulation models for virtual components (IP cores), with a guaranteed path to silicon.
- The project is funded by the french *Agence Nationale pour la Recherche*.
- 6 industrial companies and 11 laboratories are working together to build this platform
 - ♦ [Magillem Design Services](#)
 - ♦ [SILICOMP](#)
 - ♦ [STMicrelectronics](#)
 - ♦ [Thales Communications](#)
 - ♦ [Thomson R&D France](#)
 - ♦ [TurboConcept](#)
 - ♦ [CEA-LIST](#) Saclay
 - ♦ [CEA-LETI](#) Grenoble
 - ♦ [CITI](#) Lyon
 - ♦ [ENST](#) Paris
 - ♦ [INRIA Futurs](#) Saclay
 - ♦ [IRISA](#) Rennes
 - ♦ [Lester](#) Lorient
 - ♦ [LIP6](#) Paris
 - ♦ [LIS](#) Grenoble
 - ♦ [LISIF](#) Paris
 - ♦ [TIMA](#) Grenoble

Technical features

The main concern is true interoperability between the SoCLib IP cores :

- All simulation models are written in SystemC
- All !SoCLib components respect the VCI/OCP communication protocol.
- Two types of models are available for each IPcore : CABA (Cycle Accurate / Bit Accurate), and TLM-T (Transaction Level Modeling with Time)

Availability

- All simulation models and most associated tools are distributed as free software.
 - The SoCLib documentation can be accessed [here](#)
 - To actually download one or several SoCLib tools or component, you must register below.
 - For each SoCLib component, a synthesizable RTL model is available, in order to guarantee a path to silicon, but this RTL model is NOT part of the SoCLib library, in order to preserve the IP providers business.
-

Get your own copy

If you haven't already done it, please register to create your account !

E-mail:

Please note that this e-mail will be your login ID!

You may also want to sign-up for the developers mailing list dev@?, to do so please visit this [link](#).

If you need write access or for any other problem please contact.
