

Welcome to SoCLib project home page

- [Jump to Developers Page](#)
 - [Go to ANR Page \(restricted access\)](#)
-

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.
