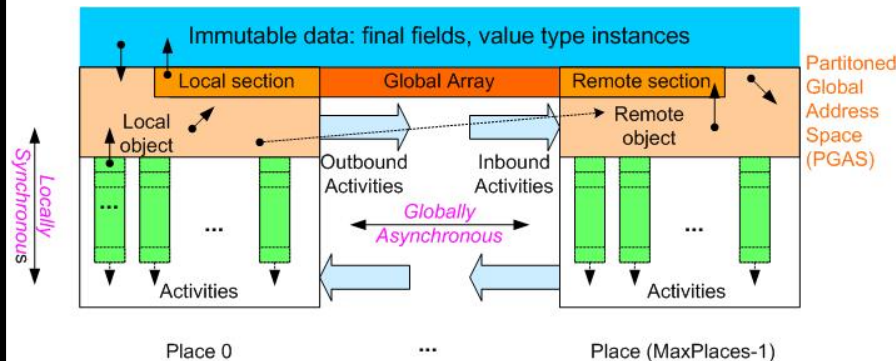
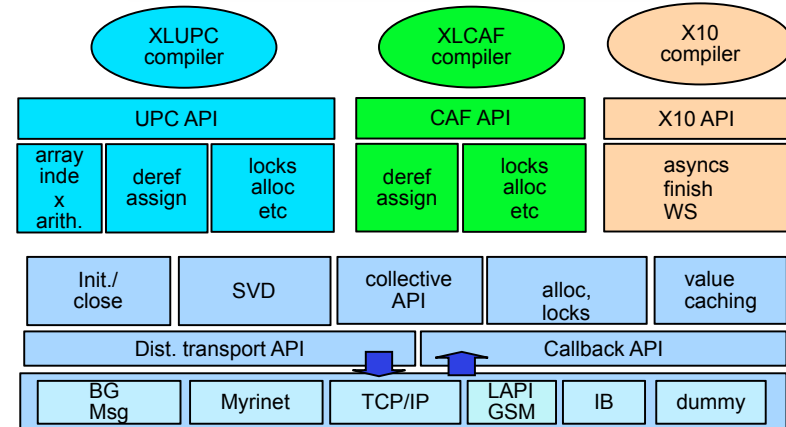


## APGAS Parallel Programming Model



**For clusters, SMPs, multicores, accelerators**

## Common APGAS Runtime



## X10

- APGAS language in the Java family
- Supports generics, closures, dependent types
- X10 2.0 released Nov 6, 2009
  - Structs; place types; refined distributed object model
- Co-Winner 2007, 2008, 2009 HPC Challenge (Type II)

## X10 Compilers & Tools

- Platforms supported:
  - Linux, AIX, Solaris, OSX, cygwin; x86\_64, x86, PowerPC, Sparc
  - Any platform with Java 5
- Compilers available: **x10cpp, x10c**
- Tools available : **Eclipse X10DT**