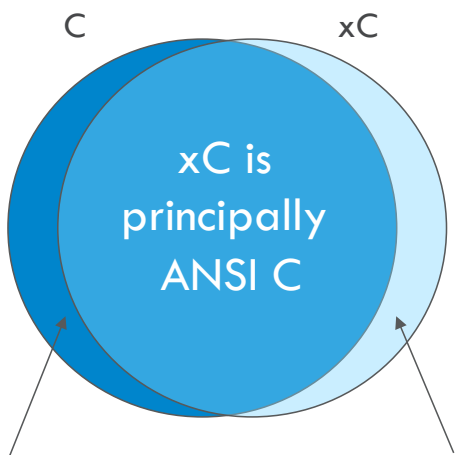




How does xC compare with C?



Pointers
Volatile

Support for
communication, IO
timing, events and
parallelism

Types
port
clock
timer
chan

Parallelism
par

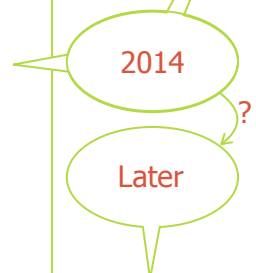
Events
select

in port
:> :> >>
@ (time)
buffered

out port
<: <: >>
@ (time)
buffered

chan
:> <:
streaming
transaction
master
slave

select
case
ordered



interface
client
server
[[notification]]
[[clears_notification]]
[[guarded]]
etc.

Normal task, plus
[[combinable]]
[[distributable]]

Pointers
movable
restrict
alias
unsafe (ptr or region)

etc.

Use C, xC or a mixture of both