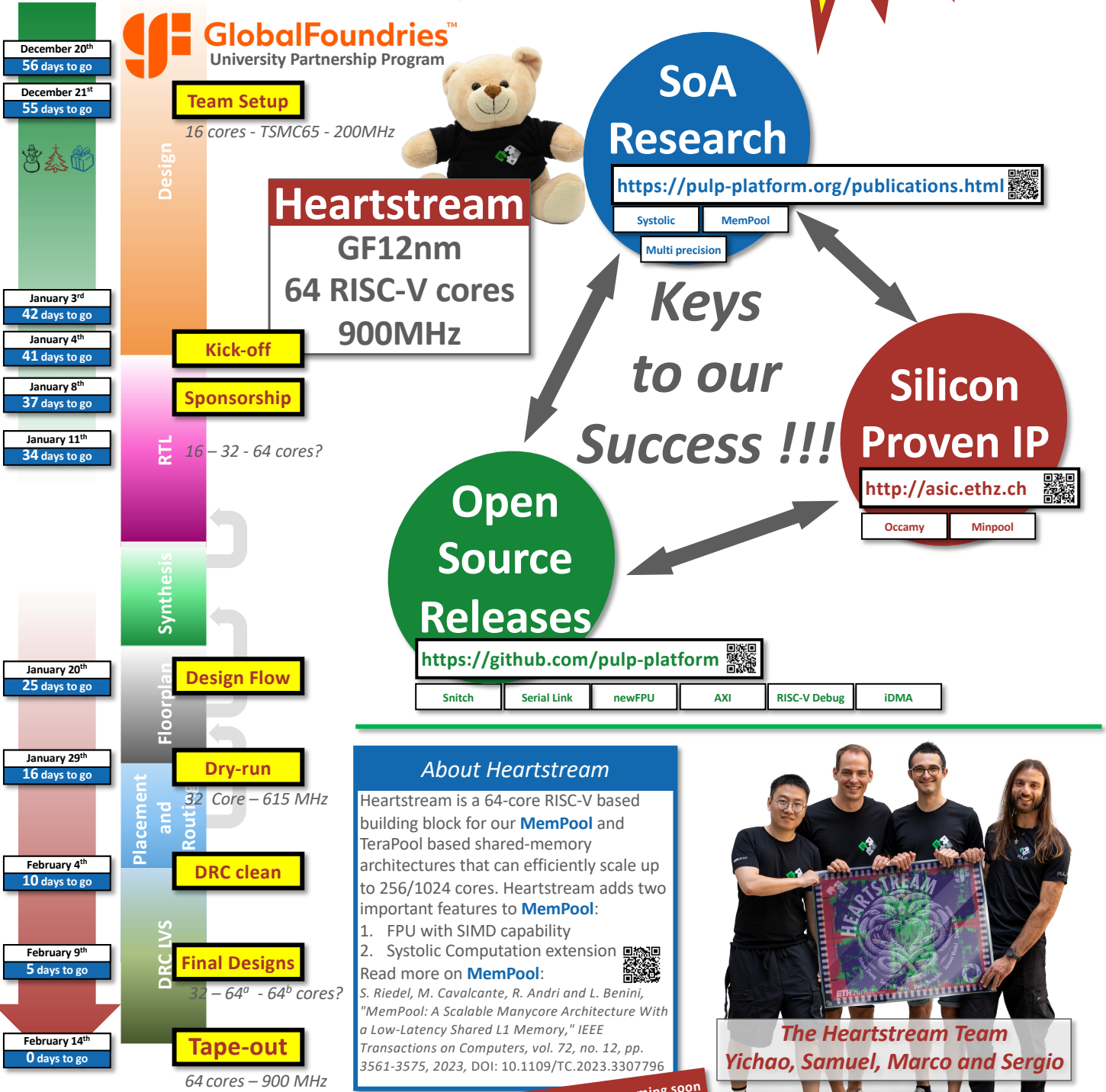


How to tape-out a 64-core RISC-V SoC in under **60** days

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About Heartstream

Heartstream is a 64-core RISC-V based building block for our **MemPool** and TeraPool based shared-memory architectures that can efficiently scale up to 256/1024 cores. Heartstream adds two important features to **MemPool**:

1. FPU with SIMD capability
2. Systolic Computation extension

Read more on **MemPool**:
S. Riedel, M. Cavalcante, R. Andri and L. Benini, "MemPool: A Scalable Manycore Architecture With a Low-Latency Shared L1 Memory," IEEE Transactions on Computers, vol. 72, no. 12, pp. 3561-3575, 2023, DOI: 10.1109/TC.2023.3307796



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