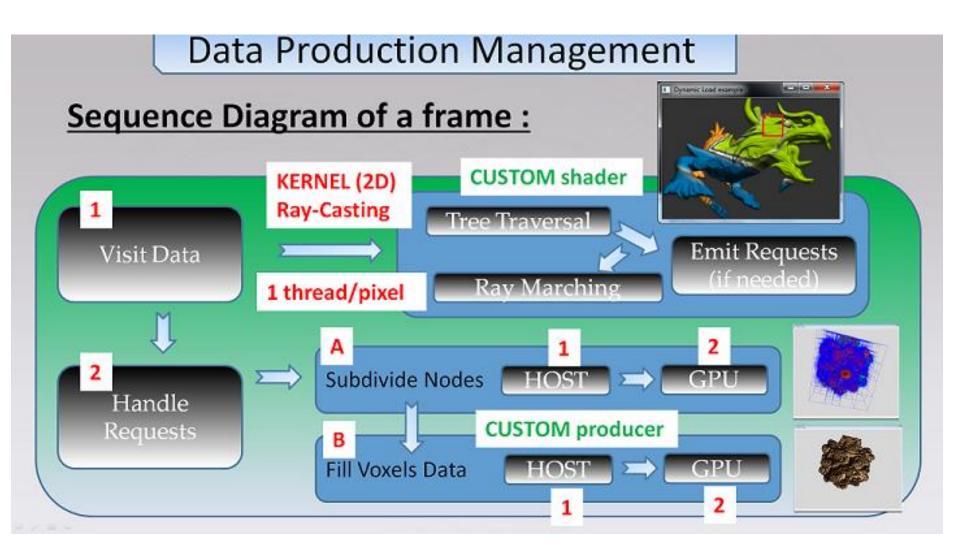
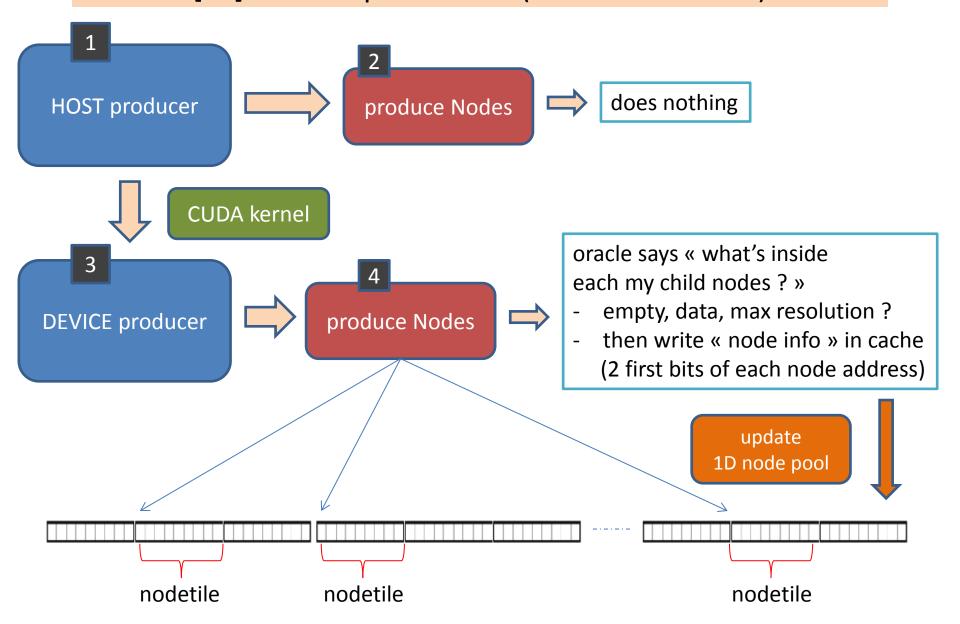
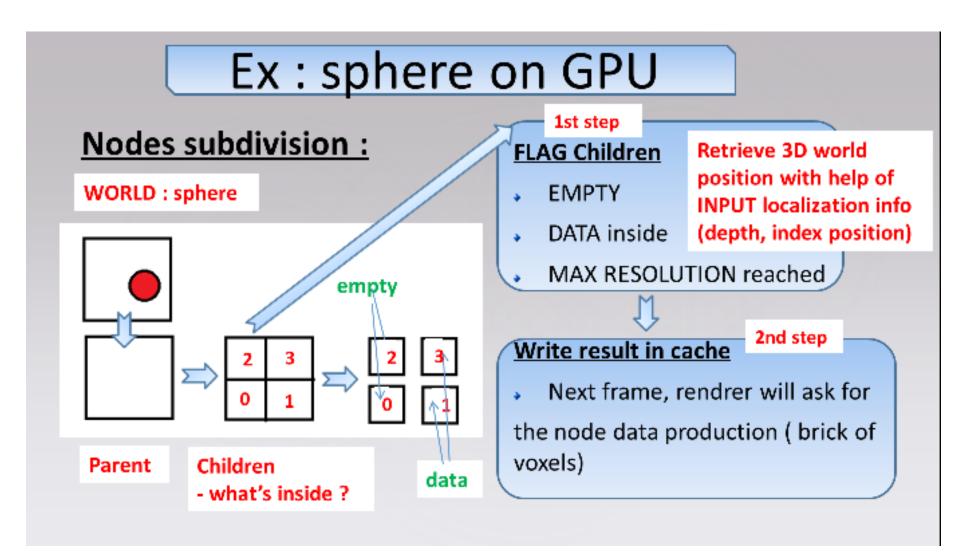
Procedural generation on device



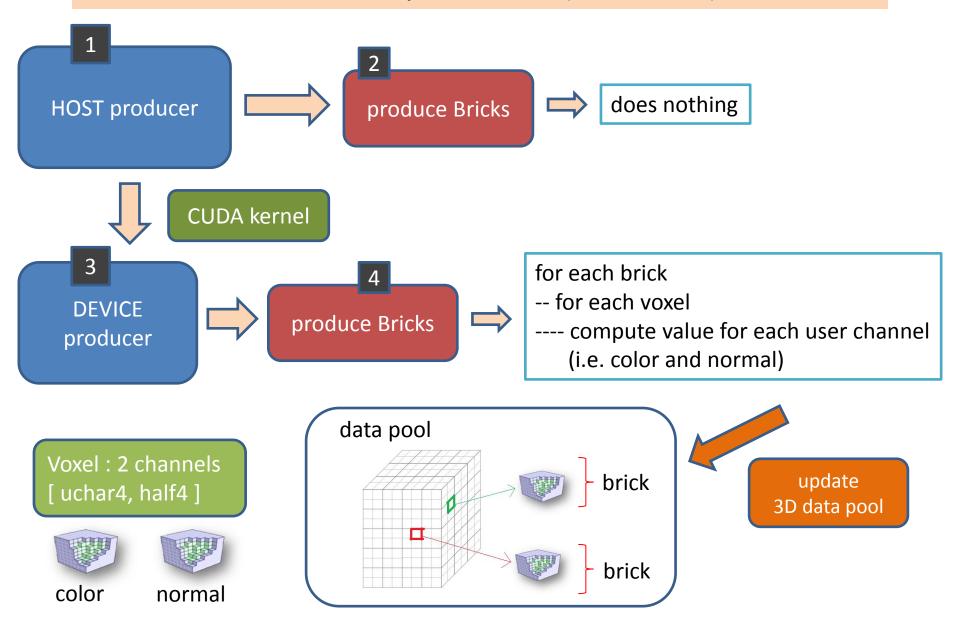
Procedural generation on device [1] - Nodes production (node refinement)



Procedural generation on device [1] - Nodes production (node refinement)



Procedural generation on device [2] - Bricks production (voxel data)



Procedural generation on device [2] - Bricks production (voxel data)

Voxel: 2 channels [uchar4, half4]





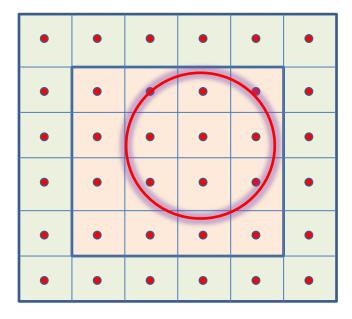
color

normal

Example: 1 brick

- 4x4 voxels
- 1 border





voxel data is stored at voxel center

density is modeled with alpha component of color channel

- alpha = 0 outside
- alpha = 1 inside