Velocity $= 1.8\,\mathrm{m/s}$

ECUA 2012

Ping: 2   3   4

PRF: 3Hz

Medium properties:
- $c \approx 1500\,\mathrm{m/s}$

Array parameters:
- 32 channels
- $B = 30\,\mathrm{kHz}$
- $f_s = 40\,\mathrm{kHz}$

$R_{max} = 250\,\mathrm{m}$

$N_{px,range} = \dfrac{2\,R_{max}}{c}\,f_s = 13.3\,\mathrm{kpx}$

$N_{px,azimuth} = 32\,\mathrm{px}$
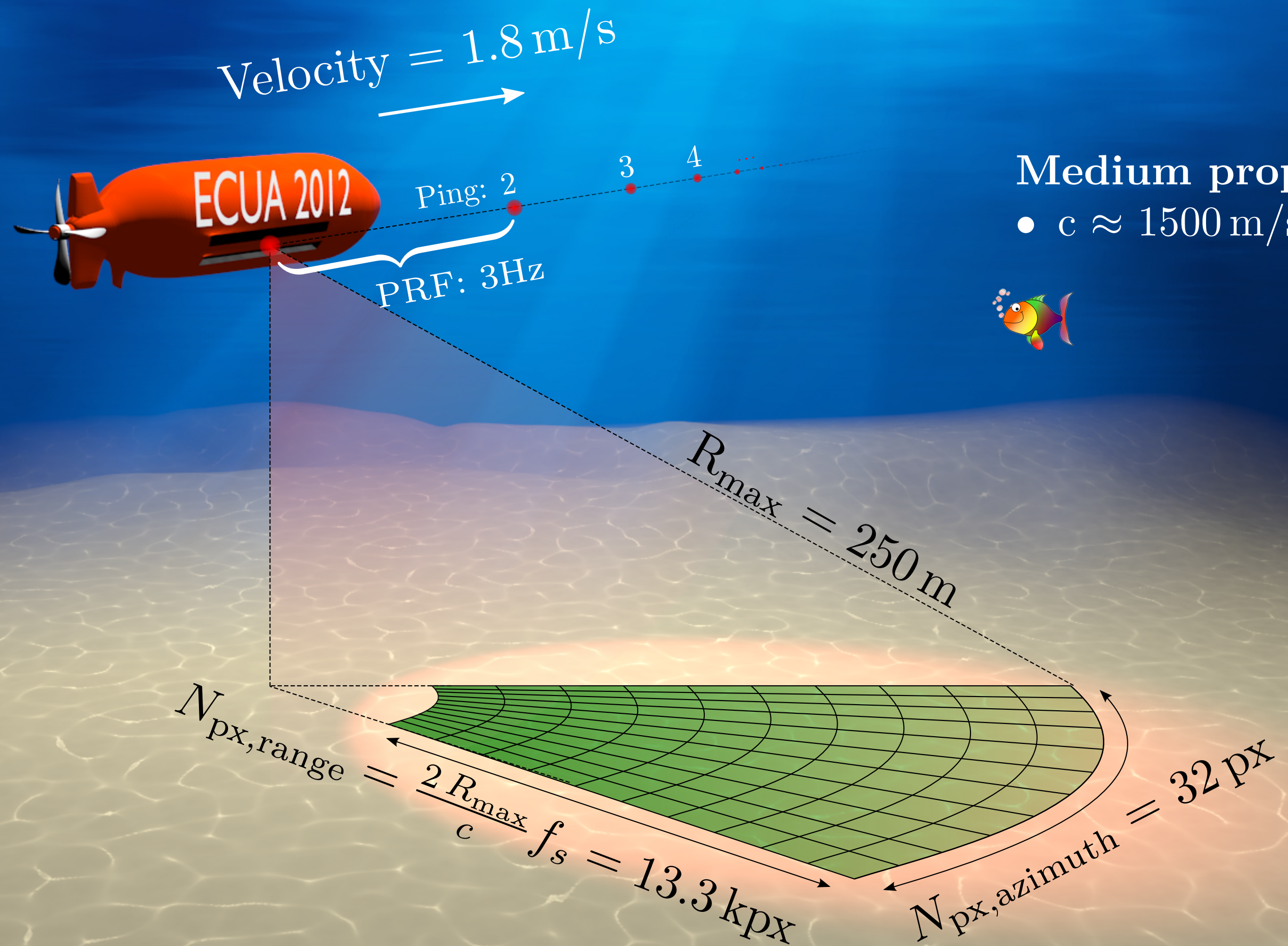
Total image size: 425 kpx

Realtime requirement: 1.275 Mpx/s