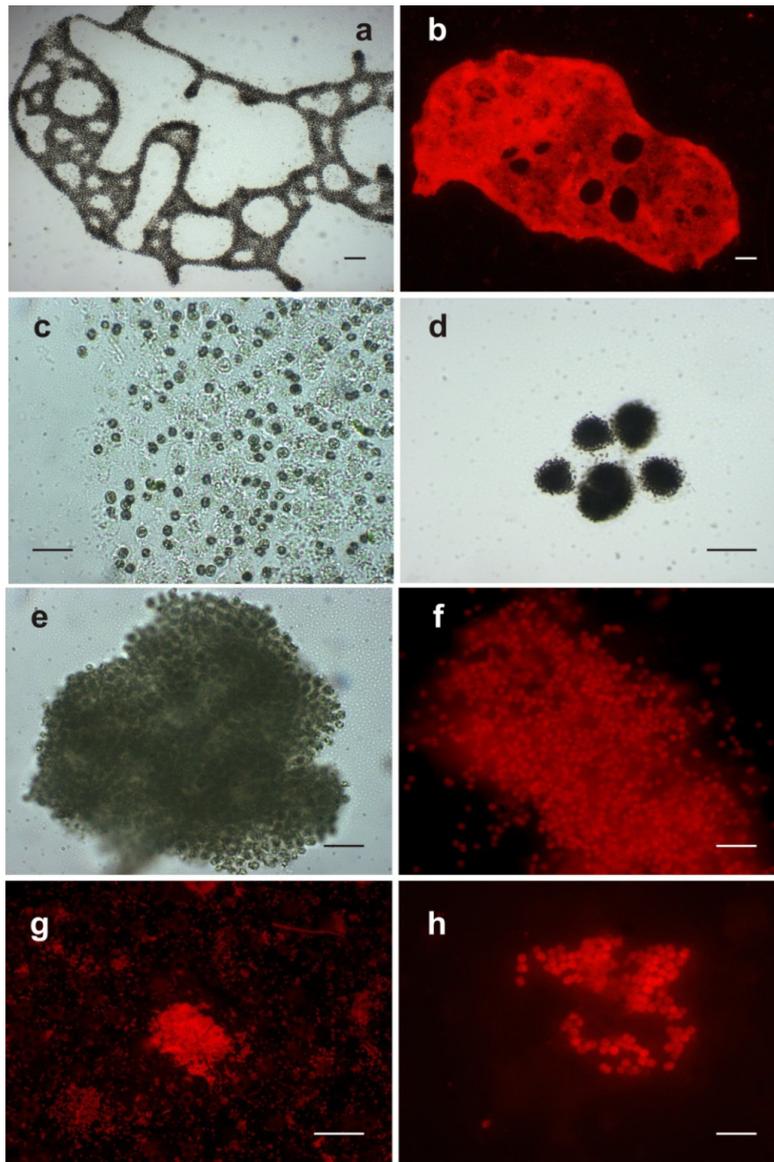
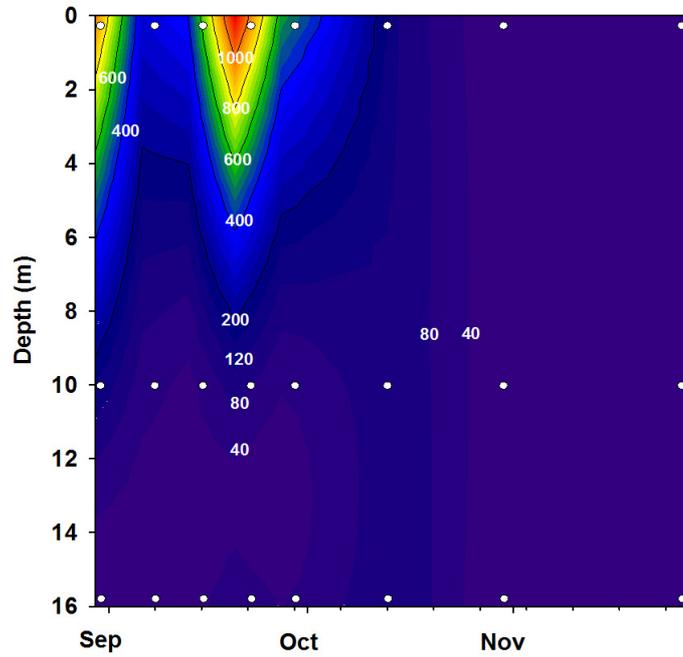


## Supplementary Information

**Figure S1.** Micrographs of *Microcystis* spp. in water and sediment traps from Valmayor, Cogotas and Santillana reservoirs. **(a–c)** *Microcystis aeruginosa*: **(a)** from subsurface water in Valmayor reservoir; **(b)** from a sediment trap in Valmayor reservoir (epifluorescence micrograph); **(c)** from 16-m depth water in Valmayor reservoir; **(d)** *Microcystis novacekii* from subsurface water in Valmayor reservoir; **(e–h)** *Microcystis flos-aquae*: **(e)** from subsurface water in Valmayor reservoir; **(f)** from a sediment trap in Valmayor reservoir; **(g)** from a sediment trap in Cogotas reservoir; **(h)** from a sediment trap in Santillana reservoir. Scale bar indicates 100  $\mu\text{m}$  in **(a)**, **(b)**, **(d)** and **(g)** and 20  $\mu\text{m}$  in **(c)**, **(e)**, **(f)** and **(h)**.



**Figure S2.** Estimated depth-time distribution of *Microcystis* ( $\text{mm}^3 \text{m}^{-3}$ ) in the first 16 m of Valmayor reservoir. White circles indicate actual counts. Data were smoothed by applying the “Negative Exponential” method (SigmaPlot 11.0 software).



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