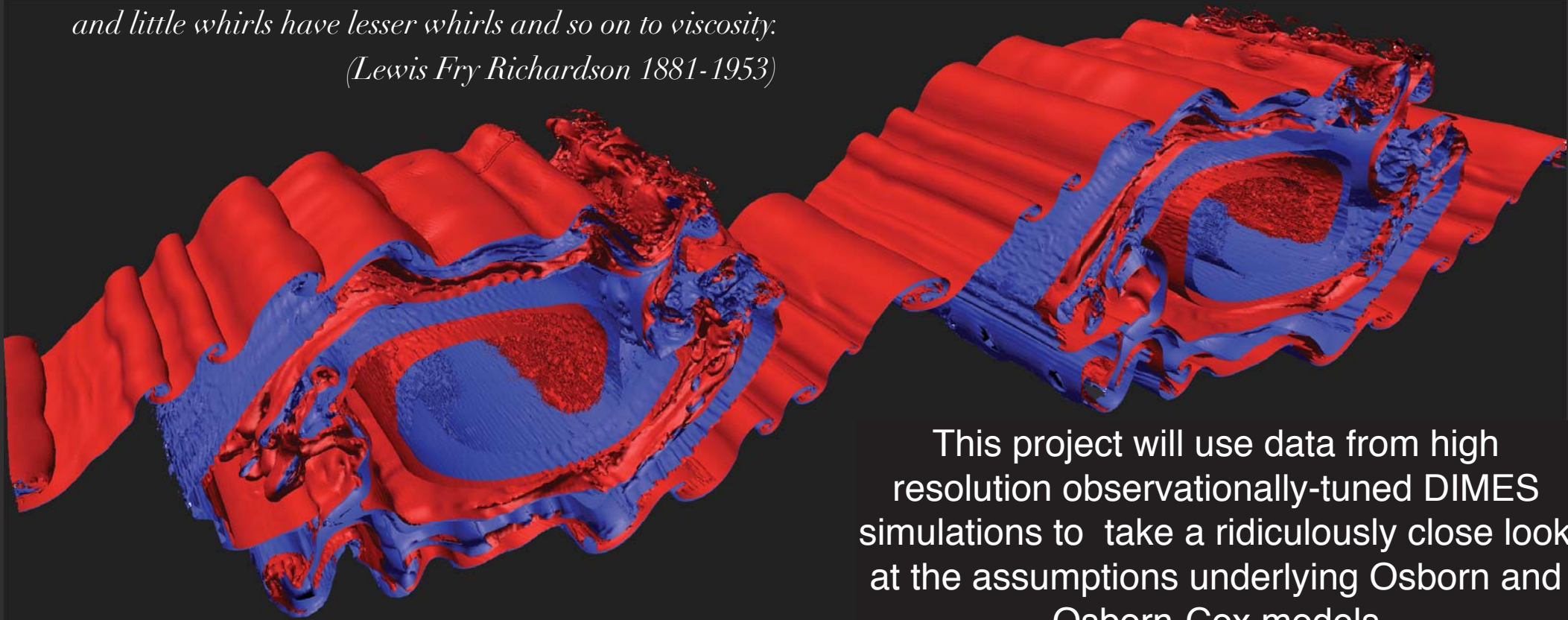*Big whirls have little whirls that feed on their velocity;*
and little whirls have lesser whirls and so on to viscosity.
(Lewis Fry Richardson 1881-1953)

This project will use data from high resolution observationally-tuned DIMES simulations to take a ridiculously close look at the assumptions underlying Osborn and Osborn-Cox models

complete balance $\quad \dfrac{1}{2\mathcal{K}_{3D}}\dfrac{\mathrm{d}}{\mathrm{d}t}\mathcal{K}_{3D} = \mathcal{R}_{3D} + \mathcal{S}h_{3D} + \mathcal{A} - \mathcal{H}_{3D} - \mathcal{D}_{3D},$

Osborn (1980) balance $\quad \mathcal{R}_{3D} = \mathcal{H}_{3D} + \mathcal{D}_{3D}.$

Osborn[1+Cox] in DIMES

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