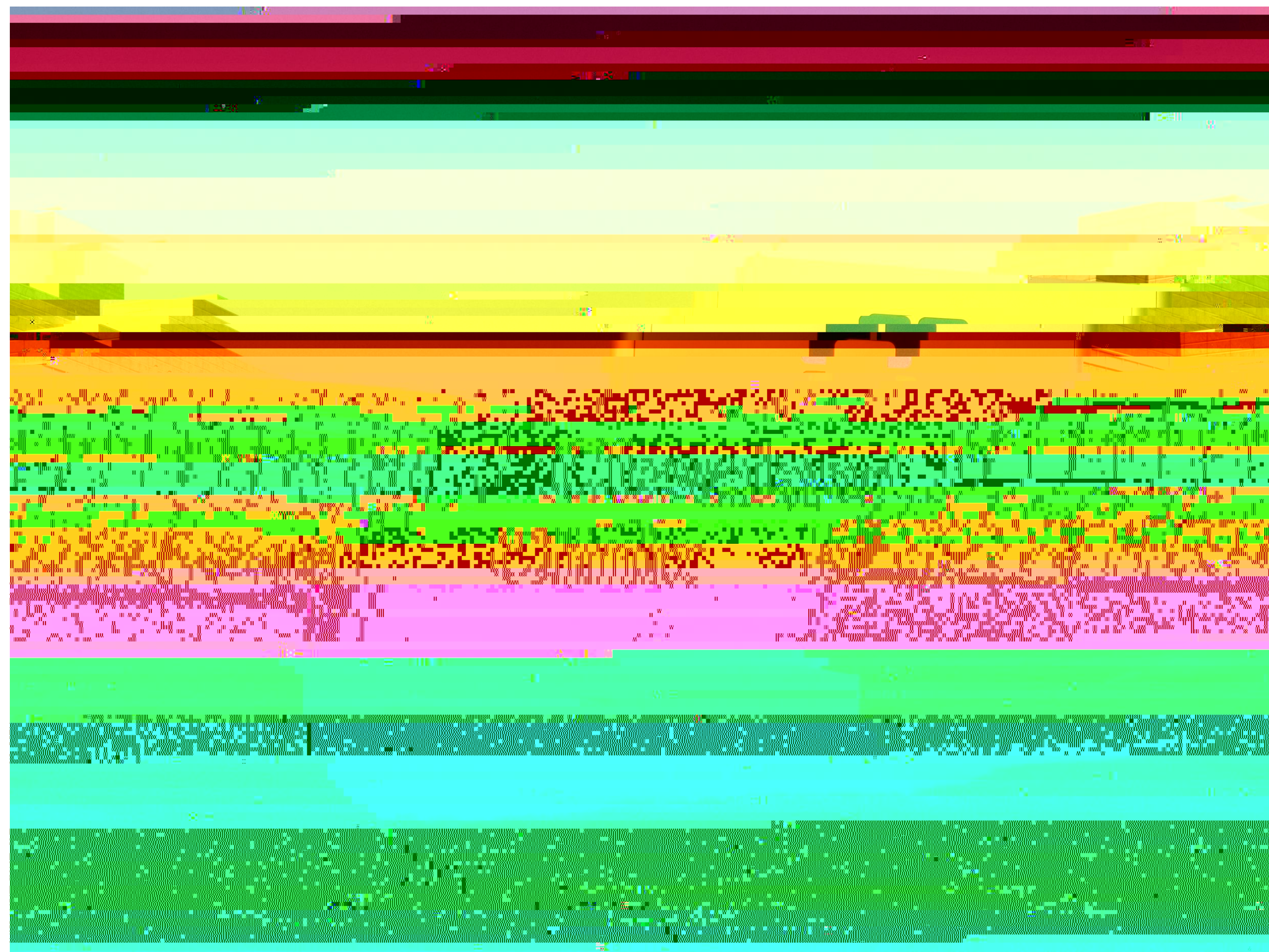
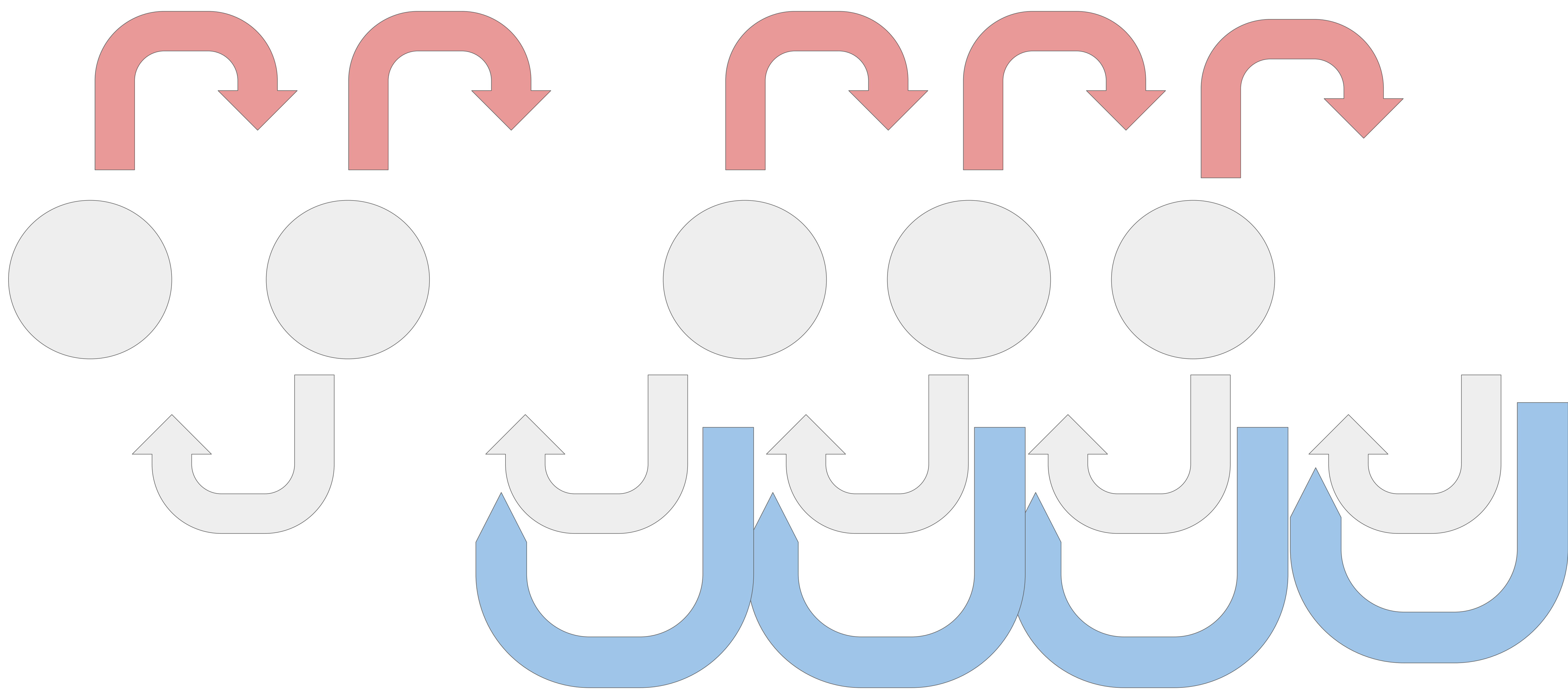


<https://blogcomb.cat/2018/02/23/50-anys-de-trasplantaments-a-catalunya-una-historia-dexit/>



<https://www.thelabworldgroup.com/blogs/new-technology-revolutionize-organ-transplant>





$$\dot{p}_n = \lambda p_{n-1} - (\lambda + \mu + n\beta)p_n + (\mu + (n+1)\beta)p_{n+1}$$

$$\dot{p}_0 = -\lambda p_0 + (\mu + \beta)p_1$$

$$P(z, t) = \sum_{n=0}^{\infty} z^n p_n(t)$$

$$\frac{dP(z, t)}{dt} = \sum_{n=0}^{\infty} z^n \dot{p}_n(t)$$

$$p_n = \frac{\lambda^n}{\prod_{k=1}^n (\mu + k\beta)} \leq 1$$