



The diagram illustrates a multi-layered architecture for an Open Research Network. At the top, a yellow box labeled 'OPEN RESEARCH NETWORK' is centered within a red rectangular frame. Below this frame is a light pink box labeled 'WHY?'. A large red frame encompasses the central components. Inside this frame, a light pink box labeled 'HOW?' is positioned above a stack of four light pink boxes: 'UNIVERSAL ETLs', 'BAYESIAN SPACE MODELS', 'ANIMATION SPACE', and 'REPORTING'. The 'REPORTING' box is yellow. Below these is a light pink box labeled 'DECENTRALIZED KNOWLEDGE GRAPHS IN DEEP LEARNING NETWORKS'. At the very bottom of the red frame is a light pink box labeled 'FULLY AUTOMATED TECHNOLOGY'. To the left of the red frame is a light blue box containing text about research gaps and challenges. To the right is another light blue box about reproducibility and reports.

**OPEN RESEARCH  
NETWORK**

**WHY?**

**HOW?**

**UNIVERSAL ETLs**

**BAYESIAN SPACE MODELS**

**ANIMATION SPACE**

**REPORTING**

**DECENTRALIZED KNOWLEDGE GRAPHS  
IN DEEP LEARNING NETWORKS**

**FULLY AUTOMATED TECHNOLOGY**

**GLOBAL  
RESEARCH  
KNOWLEDGE  
GAP:**

**CENTRALIZATION  
BIAS  
ERROR-PRONE  
NONREPRODUCIBILITY  
AND  
LACK OF INCENTIVES**

**REPRODUCIBILITY  
AND OPEN GLOBAL  
SYSTEM SCIENCE  
REPORTS**