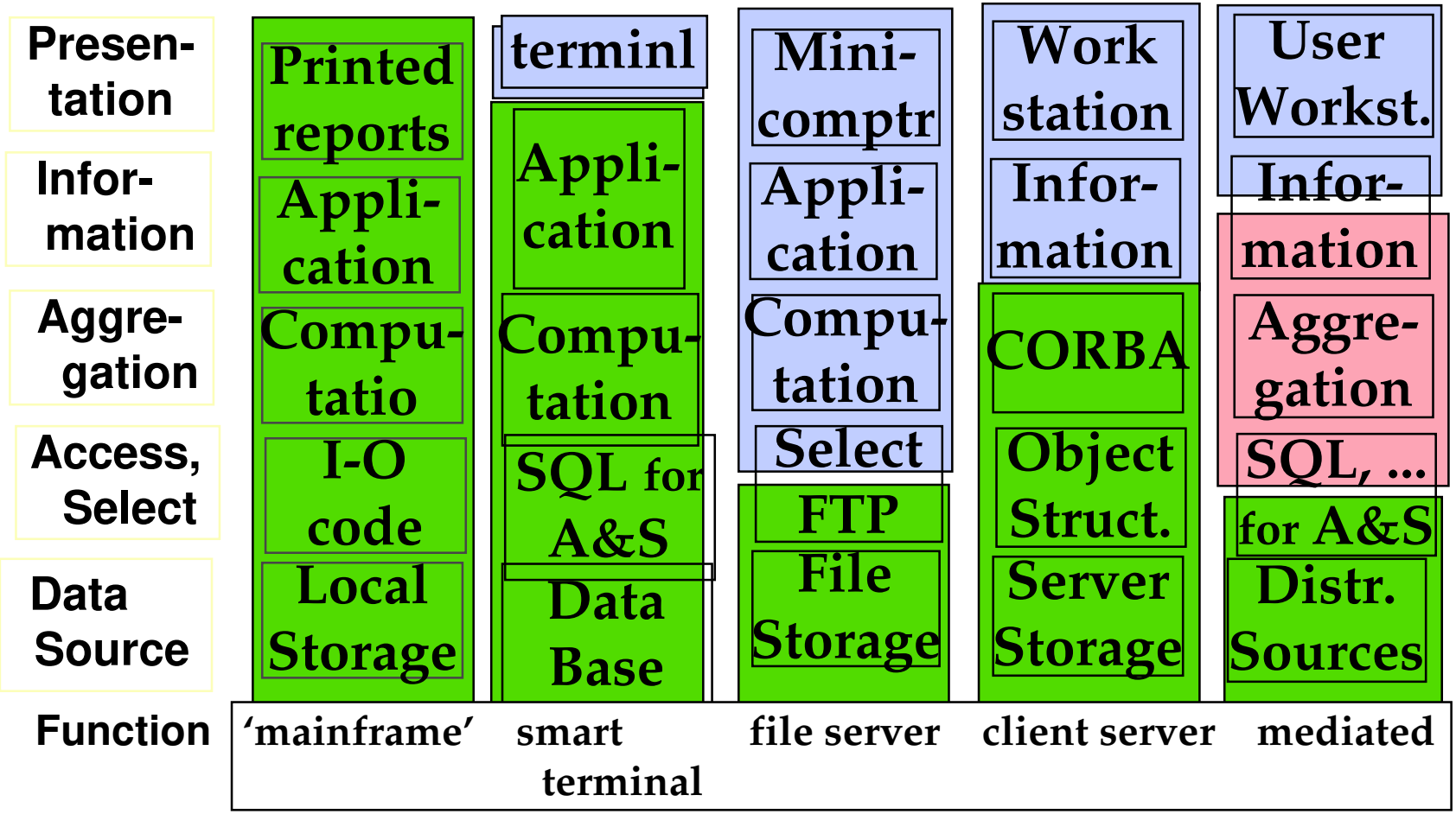Architectures & Communication