Consensus

* The blockchain is a newtork of computers with the blockchain database and they all need to agree on what is correct and not. For example if a transaction makes sense or not. THey need to come to an agreement.
* When a decission is made on a a decenteralised network for example bitcoin you know that several parties were involved.
* This is important to build trustless.
* In provenance you ALSO need consensus because you for example a supply chain of yoghurt. At the end you get yoghurt and at the beginning a cow. You have a lot of middlemen, aka a supply chain. If for example on of the middlemen add a sweetener while claiming that they have a eco friendly very high quality sugar that they are using. Around this middleman you have alot of other comapnies that supply the sugar to the middleman, and those companies say that this is not true because we never supplied those high quality sugars. Therefore, the middleman can not cheat. It becomes a Supply network. Maybe the companies supplying the sugar reven have other companiessupplying them again.
* This is because we have global consesus, in bitcoin we verify transactions
* All about removing trust, because it is impossible to cheat. So we dont have to trust that they dont cheat, because we can VERIFY that they not
* Consensus is build upon incentive (encouragment to do something).
* All the computers are incetivised to tell the true.
* People gain money by being honest, financial icentive to be honest.