

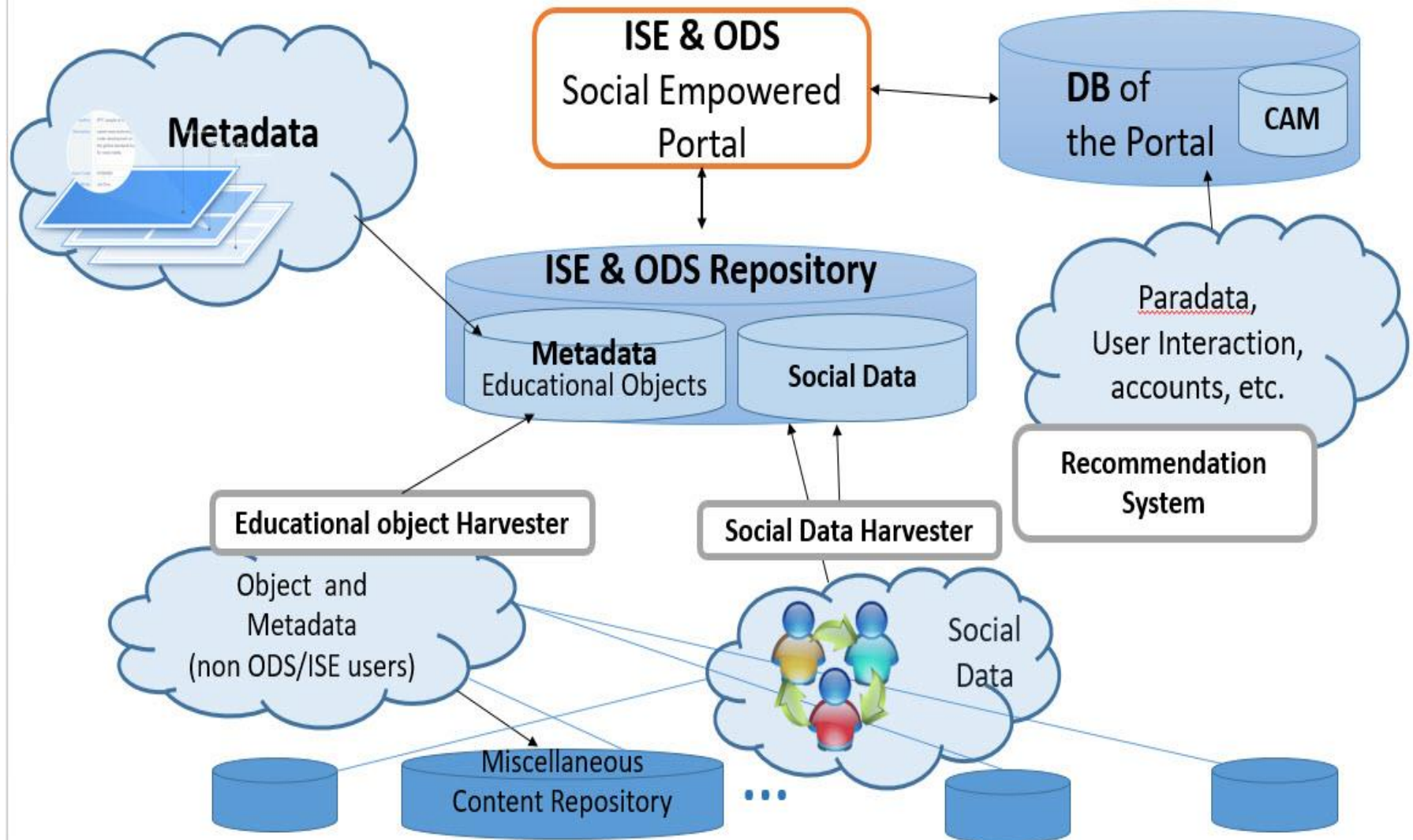
*Vision for the
engagement of the e-
Facilitator in School in the
Inspiring Science
Education environment*

Radoslav Yoshinov

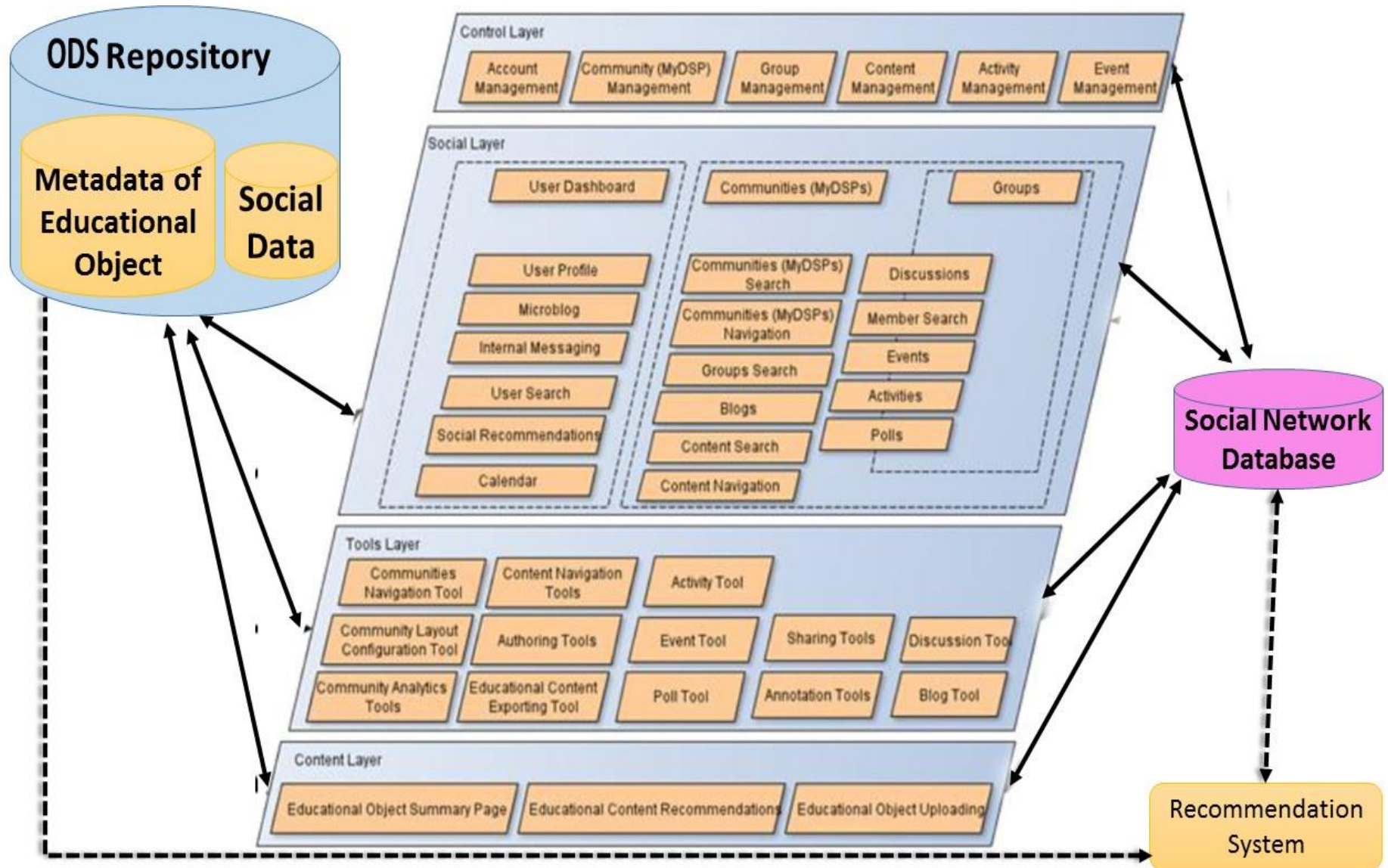
Monka Kotseva

Laboratory of Telematics at the
Bulgarian Academy of Sciences

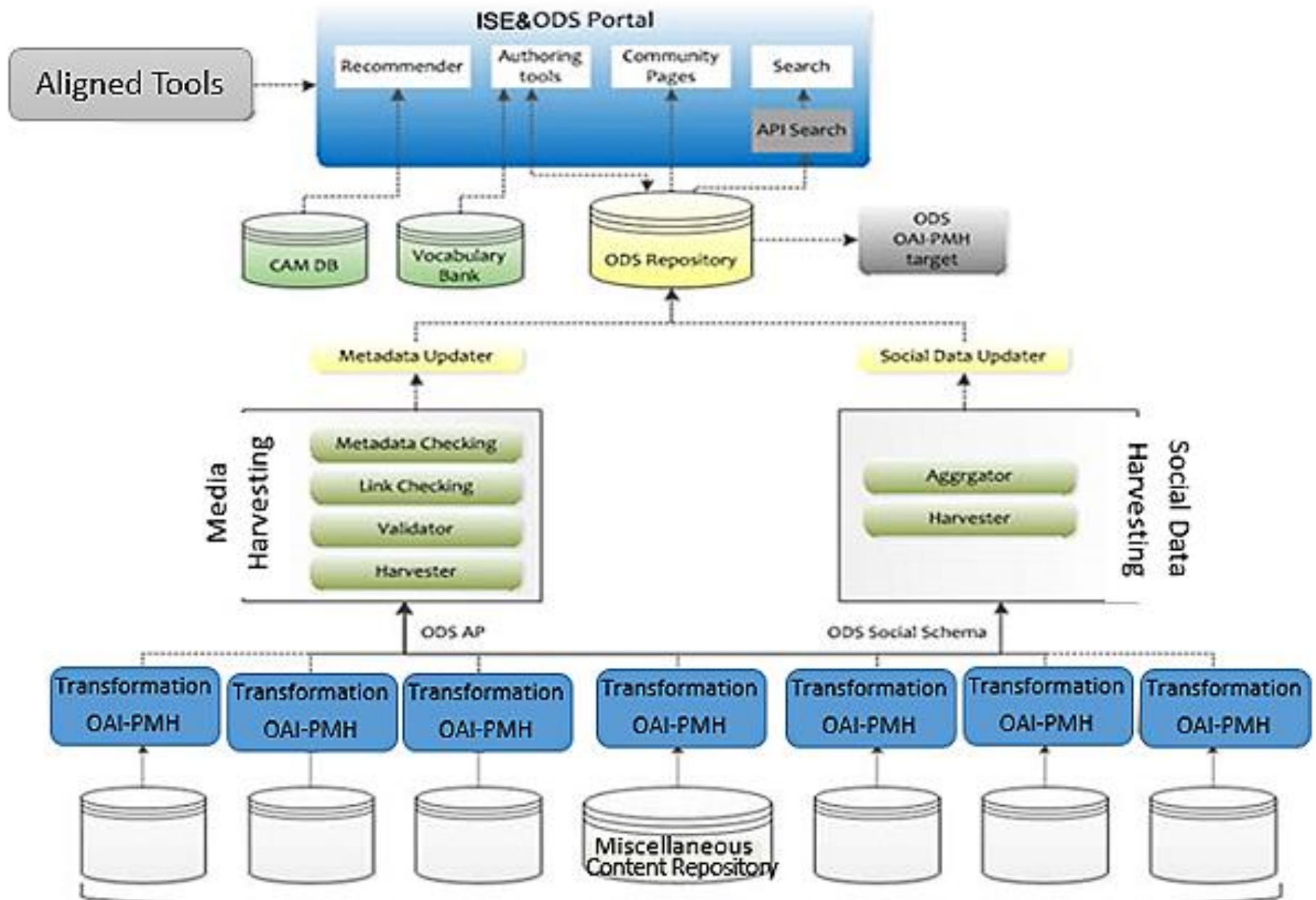
Principal Architecture of the ODS&ISE WEB environment



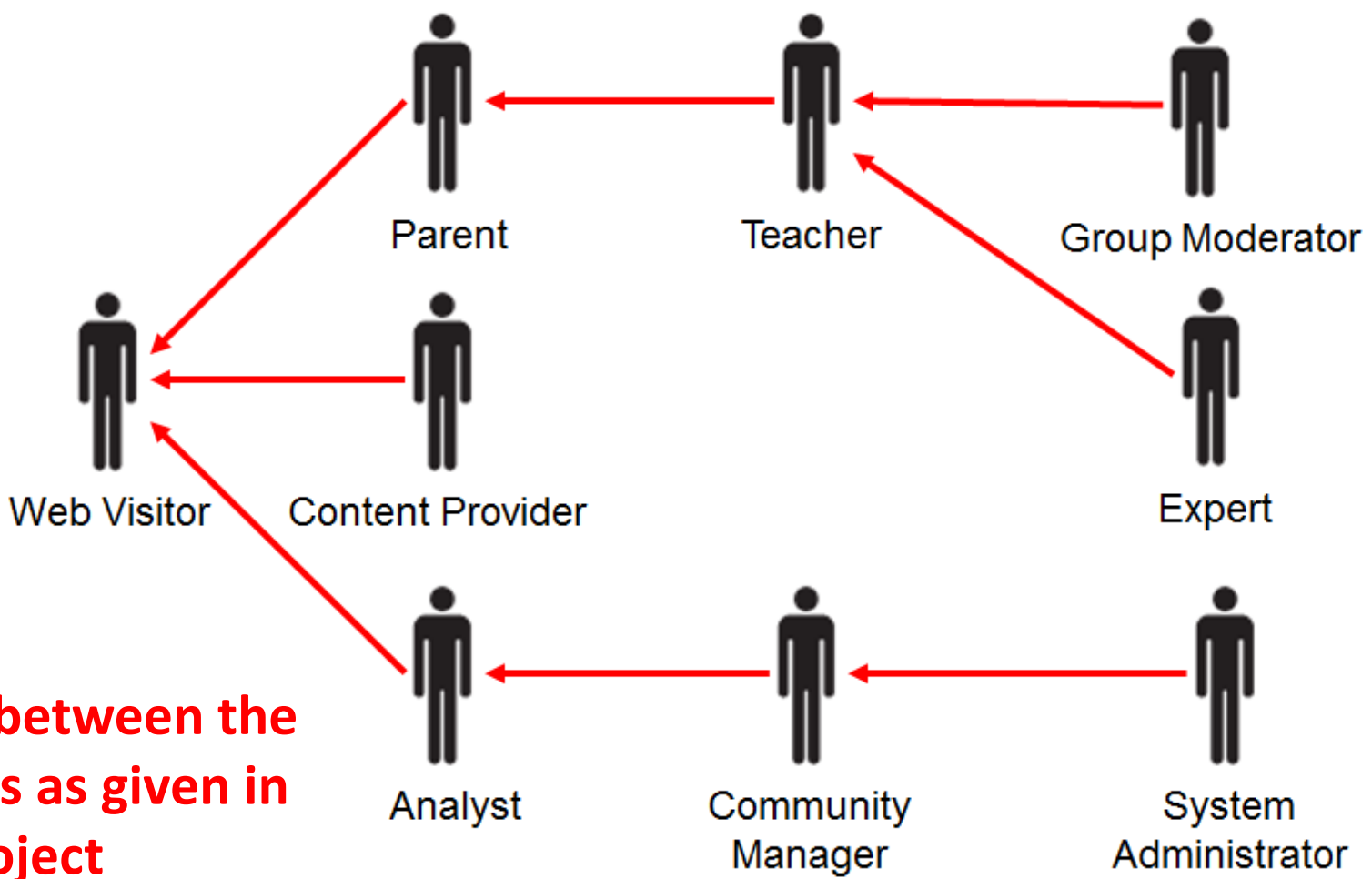
Social network Architecture of the ISE WEB learning environment



ODS&ISE Portal



Hierarchy of ISE&ODS Communities

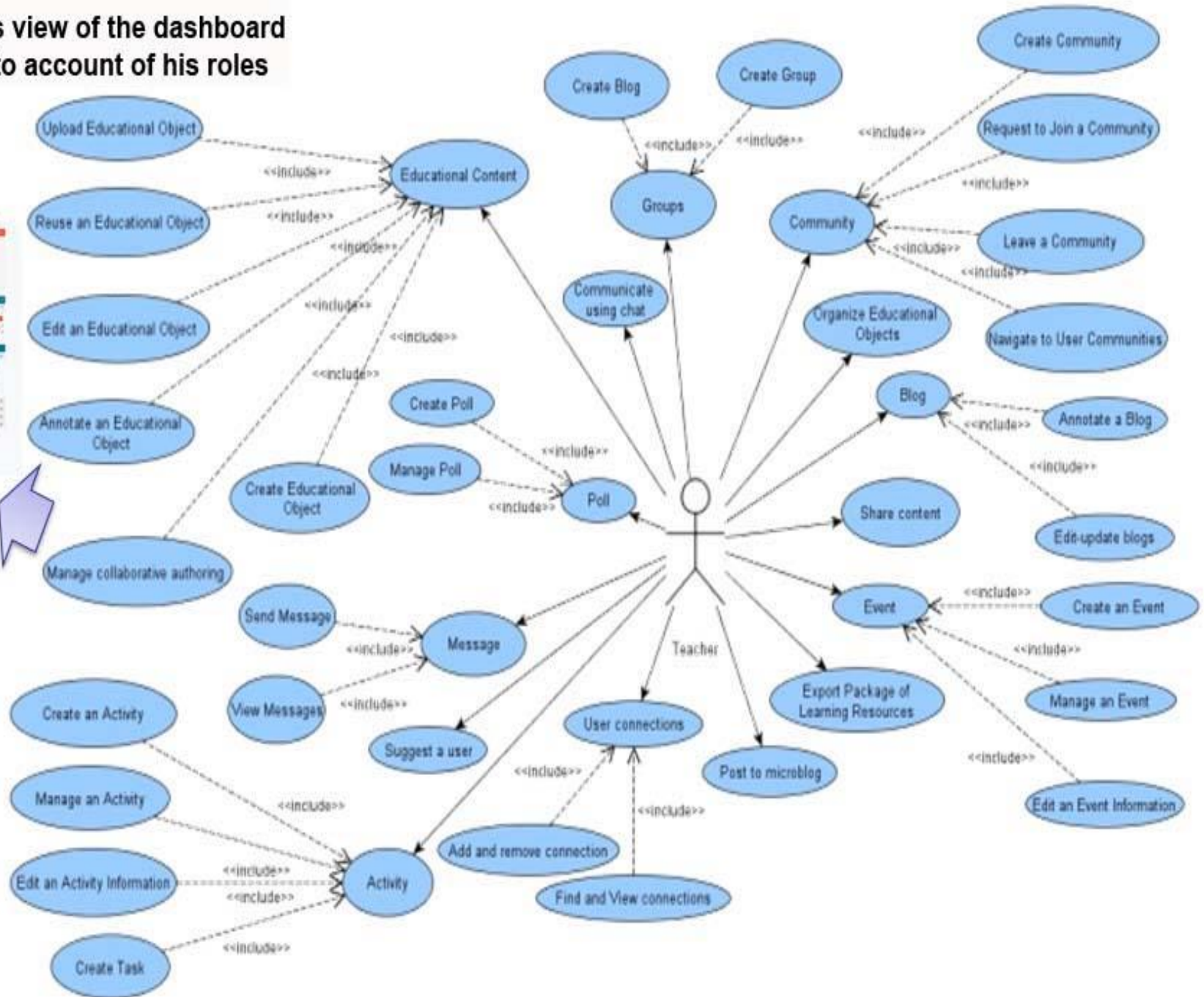


Relations between the key players as given in the ISE project

Teacher's view of the dashboard taking into account of his roles



Dashboard



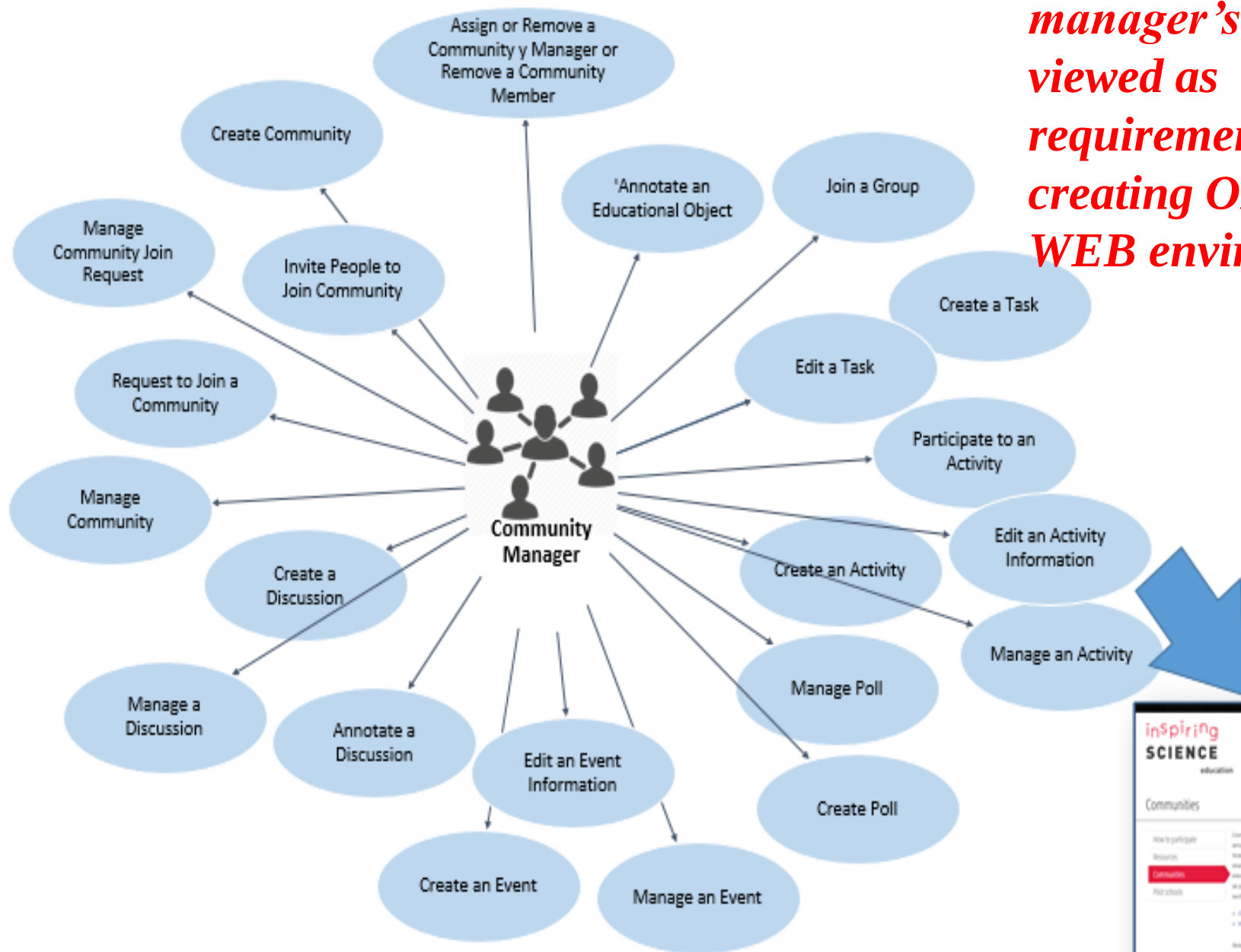


**Parents, Analysts,
Group Moderator's
roles, viewed as
requirements when
creating ODS&ISE
WEB environment**



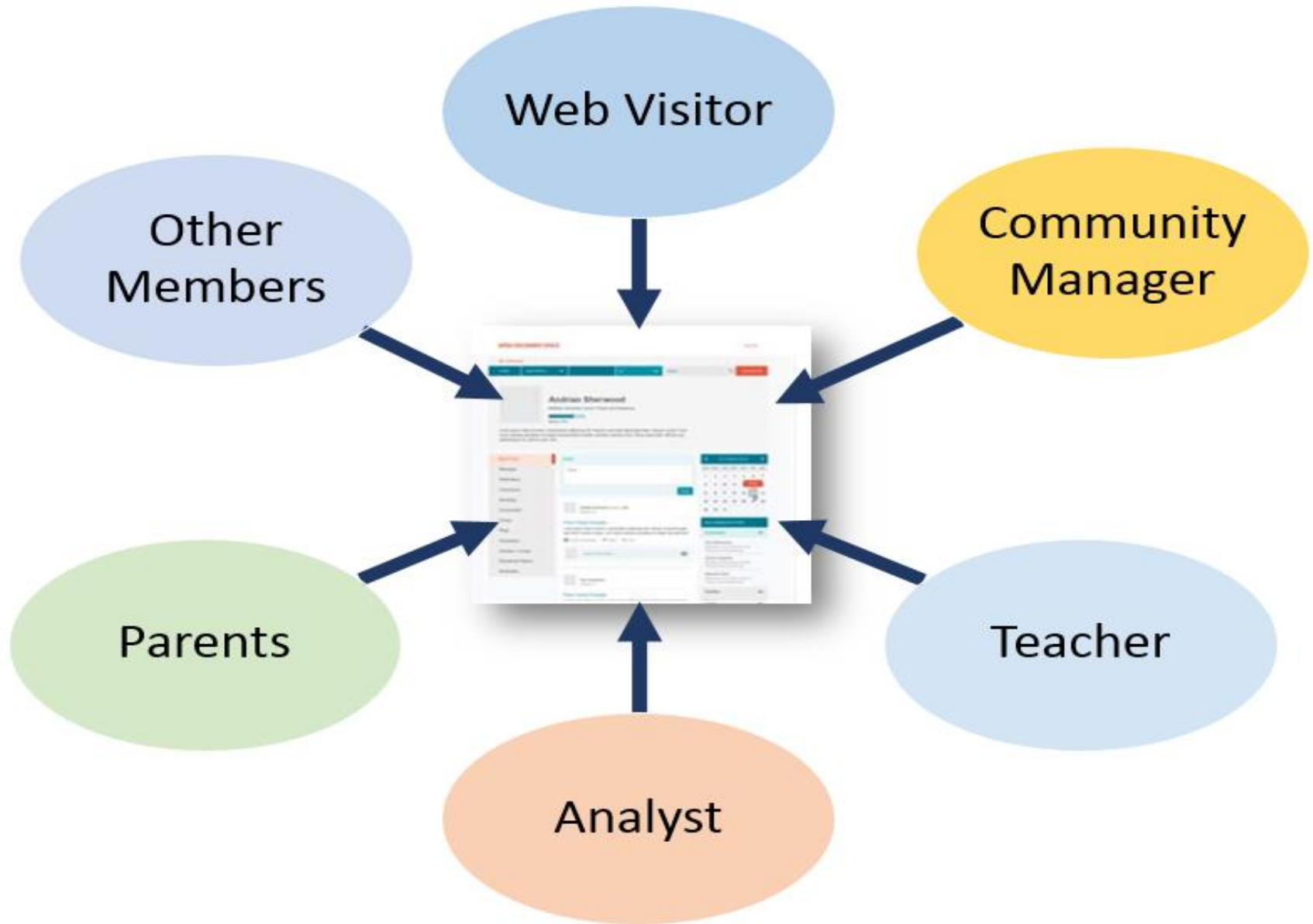
Dashboard

Community manager's roles, viewed as requirements when creating ODS&ISE WEB environment



**WEB visitor's perspective,
taking account of his role**

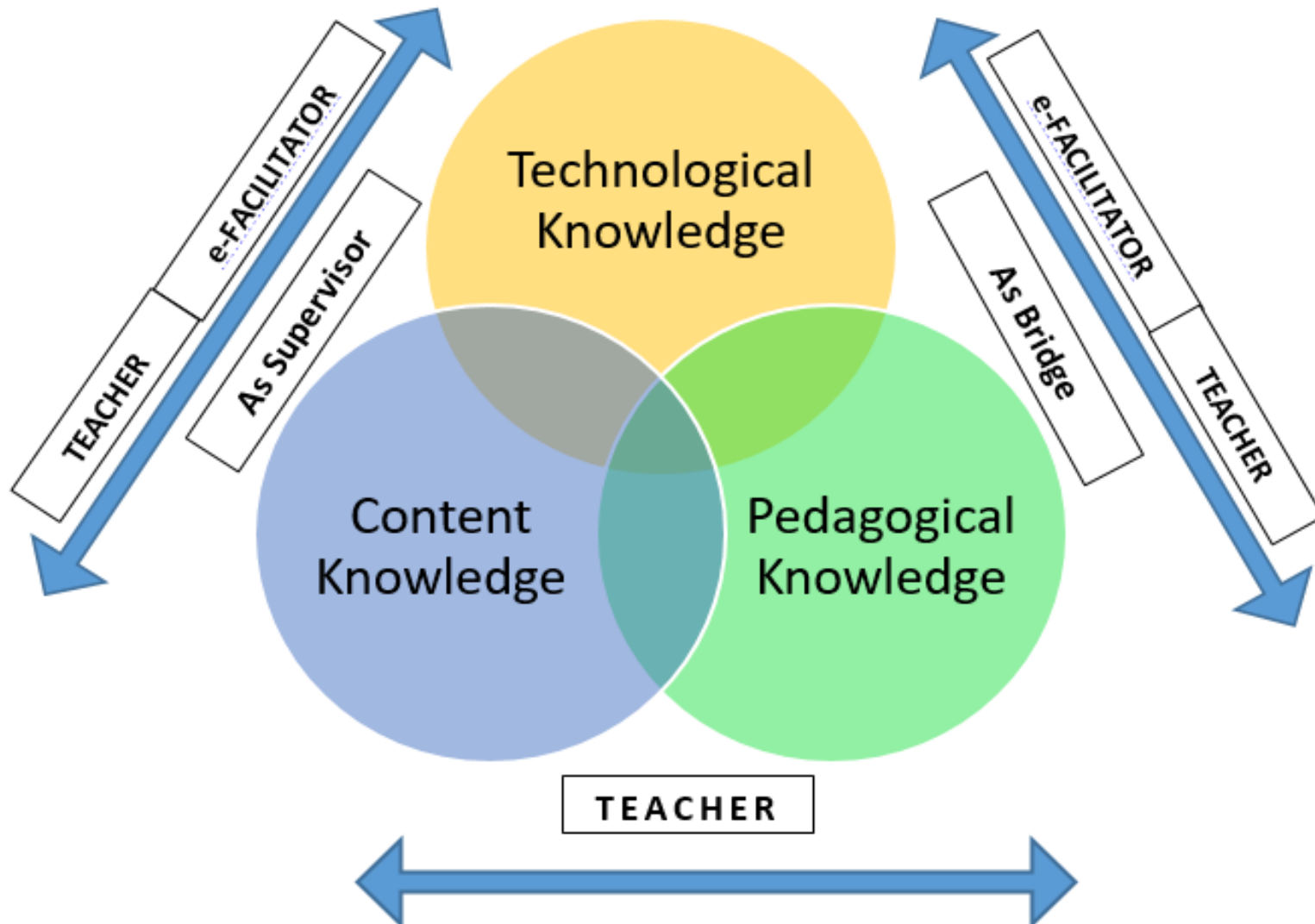




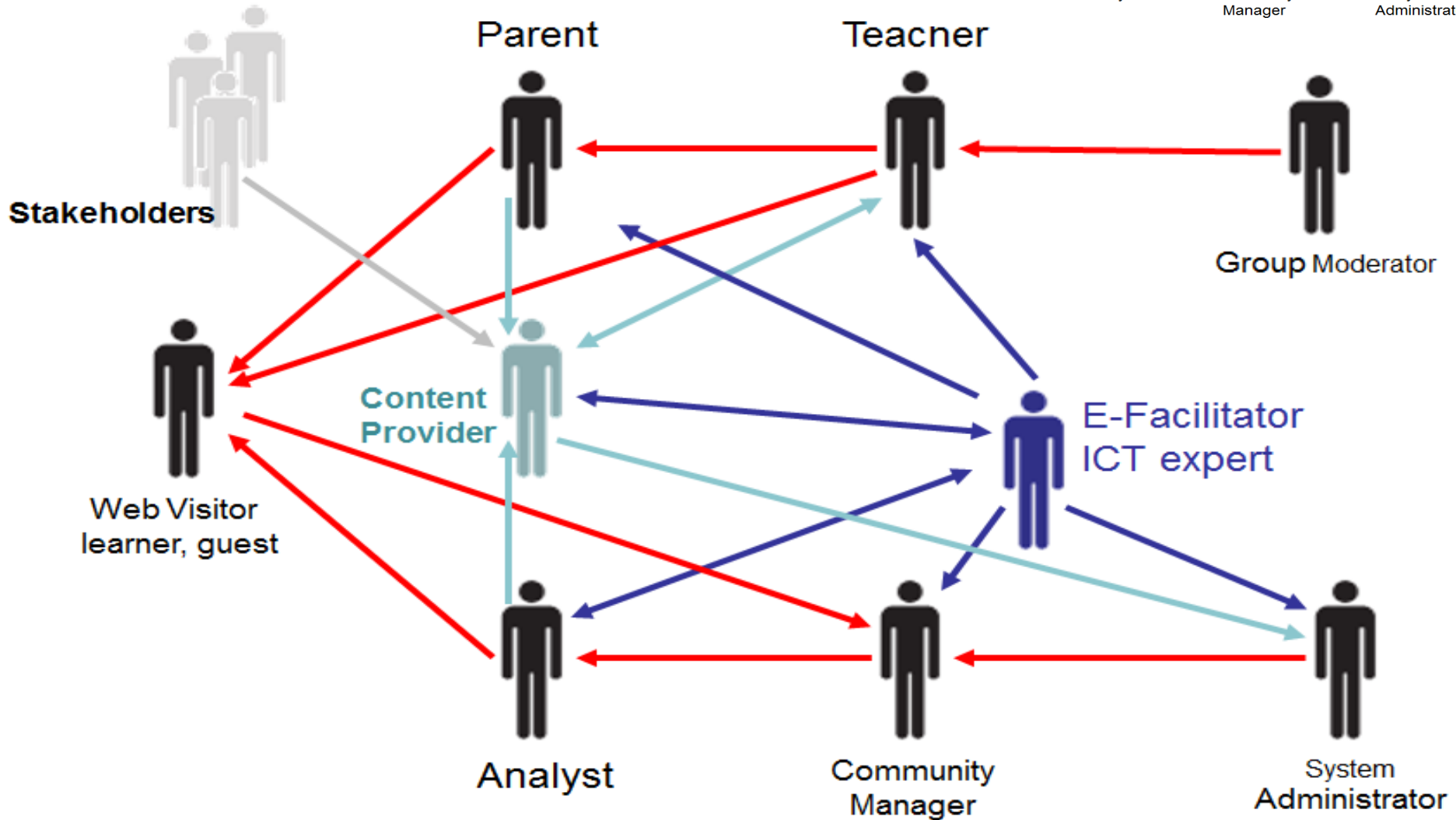
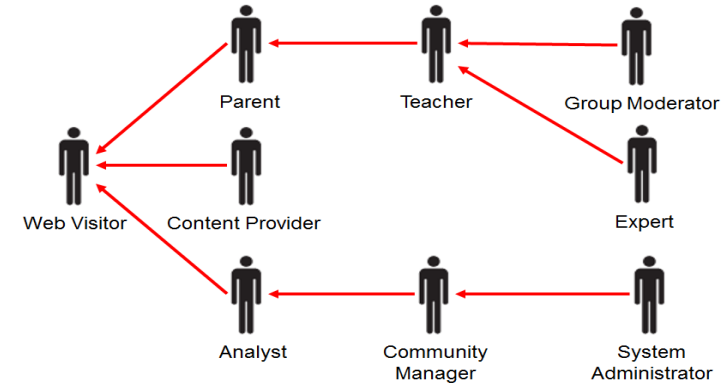
Here are some of the teachers' roles which they perform throughout the school day and over the course of the school year.

- Mediator of learning
- Disciplinarian or controller of student behavior
- Parent substitute
- Confidant to students
- Judge of achievement
- Organizer of curriculum
- Scholar and research specialist
- Member of teachers' organization
- Performer of roles in the community
- Public servant
- Expert in some area of knowledge or skills
- ICT Specialist
- Community leader
- Agent of social change

Who is Who in the TPCK model of Mishra&Kohler



How is changed the scheme



- Important are the role functions of the e-facilitator in personalizing the learning process, in both directions – content and pace of learning, matching the education materials to the individual needs of the learner and according to his capacity and style of learning in the context of STEM (science, technology, engineering, and mathematics) education.
- This ensures the more complex perception of the relations and flaws: Stakeholder – Content provider; Web visitor – content(LMS,CMS, repositories); Web visitor – Community; Teacher (author) – Content provider; Parent – Content provider, Parent-teacher (author); Community creation –community management; School educational content – administration; Quality assurance; Quant ITive, environment, statistical and event Analysis; Tutoring of Web visitor, Authors, content providers, stakeholders, parents; Functional Help desk for the environment; etc.

Thanks for your attention !



*Assoc. Prof. Radoslav Yoshinov PhD
Bulgaria , Sofia 1113
Acad. G. Bonchev str., Block 8
Laboratory of Telematics - BAS /Director;
Tel. +359 2 979 2896
Mobile +359 888 627190
www.cc.bas.bg; www.bren.bg*