BEYDA NUR ZENGIN
DOĞA SEZER
GÖKTUĞ KULA
ŞEVVAL ÇAVUŞOĞLU

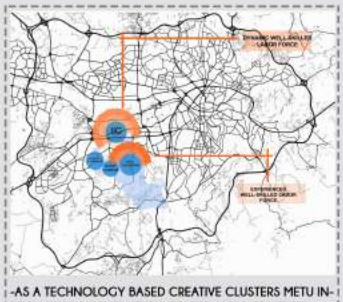
ANALYSIS OF METU INFORMATICS AND INNOVATION CENTER AND METU TECHNOPARK IN ANKARA WITH RESPECT TO LOCALIZATION AND URBANIZATION CONCEPTS

ECONOMIC

SPATIAL

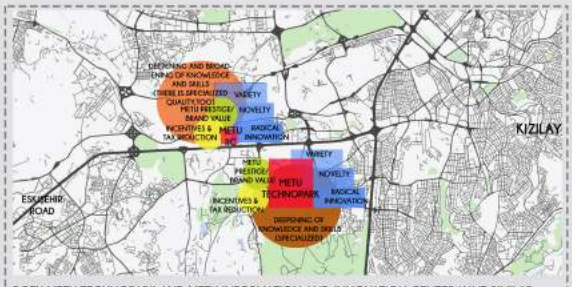
SOCIAL

HUMAN CAPITAL



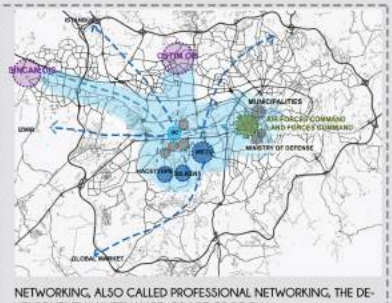
-AS A TECHNOLOGY BASED CREATIVE CLUSTERS METU INFORMATICS & INNOVATION CENTER AND METU TECHNOPARK HAVE WELL-EDUCATED HUMAN RESOURCES. THE EDUCATION LEVEL OF BOTH CLUSTERS' EMPLOYMENT IS GRADUATED OR POST-GRADUATED.
-IN COMPARISON WITH METU TECHNOPARK, ICC HAS MORE DYNAMIC EMPLOYMENT.
-BOTH CLUSTERS ARE CLOSE TO UNIVERTSITIES AND HUMAN RESOURCES AND THE RESULT OF THE STUDY POINTS OUT THAT WORKER PROCUREMENT IS GETTING EASY OWING TO LOCATED THERE.
- YET, THE FIRMS LOCATED IN METU TECHNOPARK MOSTLY DO NOT PREFER TO MOVE ICC TO BE CLOSE TO HUMAN CAPITAL.

EXTERNALITIES OF LOCALIZATION AND URBANIZATION ECONOMIES

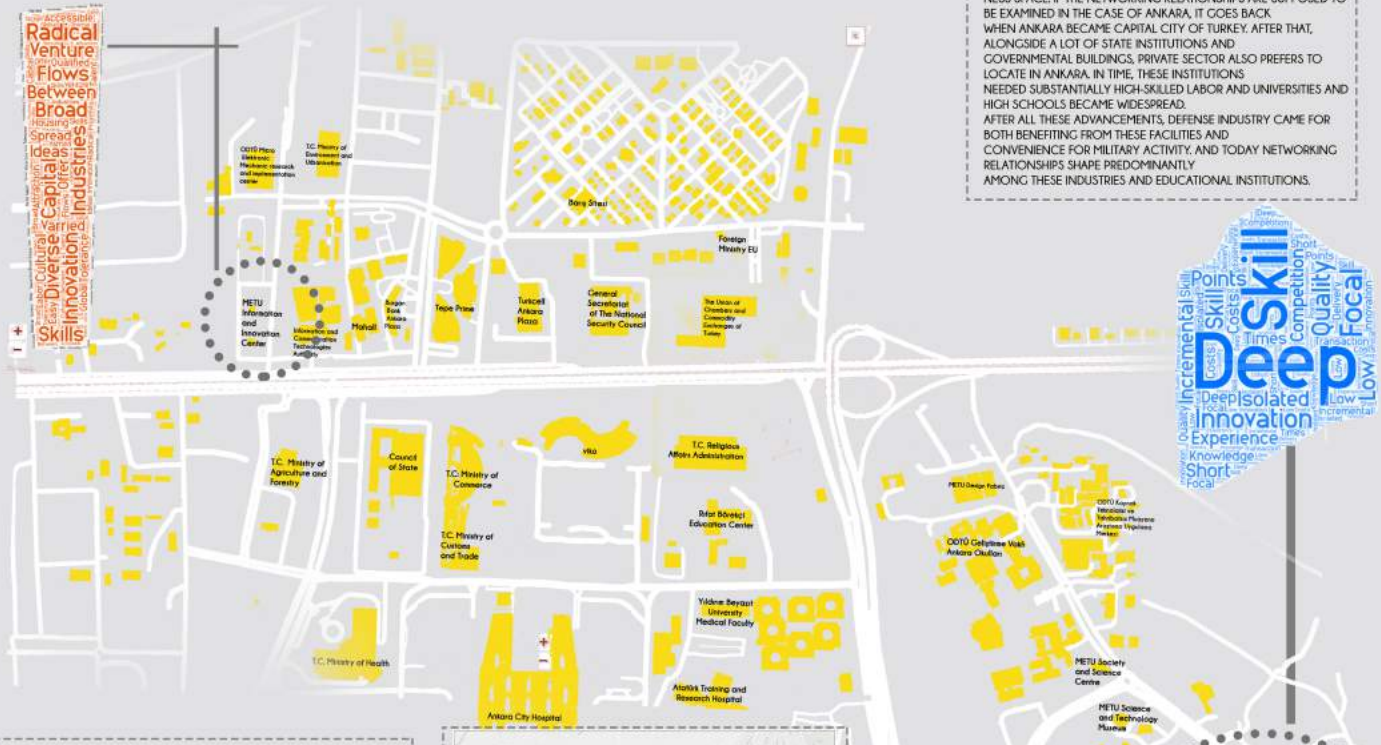


BOTH METU TECHNOPARK AND METU INFORMATION AND INNOVATION CENTER HAVE SIMILAR POSITIVE EXTERNALITIES.
AS IT CAN BE SEEN FROM THE CONCEPTUAL SCHEME, BOTH OF THEM CAN BENEFIT FROM THE METU PRESTIGE, INCENTIVES AND TAX REDUCTIONS THAT TECHNOPARK OR INNOVATION CENTER SUPPLY, AND ALSO THEY CAN CREATE ALL INNOVATION TYPES WHICH ARE VARIETY, NOVELTY, RADICAL INNOVATION. EVEN IT'S EXPECTED THAT METU IIC HAS DEEPENING AND BROADENING OF KNOWLEDGE AND SKILLS, BUT IN METU TECHNOPARK THERE IS MORE SPECIALIZED KNOWLEDGE BECAUSE WHILE METU ICC REPRESENTS URBANIZATION CONCEPT, METU TECHNOPARK REPRESENTS LOCALIZATION TERM. HOWEVER, IT IS NOT POSSIBLE TO SAY IN METU ICC THERE IS NO SPECIALIZED KNOWLEDGE, SO METU ICC HAS BOTH URBANIZATION AND LOCALIZATION QUALITIES.

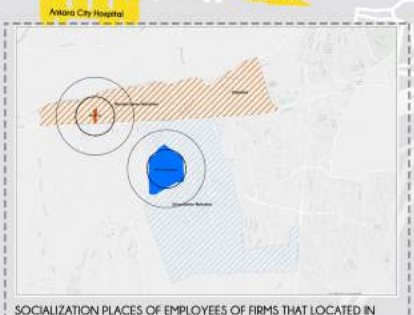
NETWORKING



NETWORKING, ALSO CALLED PROFESSIONAL NETWORKING, THE DEVELOPMENT, MAINTENANCE, OR USE OF SOCIAL OR PROFESSIONAL CONTACTS FOR THE PURPOSE OF EXCHANGING INFORMATION, RESOURCES, OR SERVICES.
NETWORKING TYPICALLY OCCURS BETWEEN TWO INDIVIDUALS BUT CAN BE EXAMINED AS AN INTERACTION BETWEEN GROUPS, COMPANIES, OR INSTITUTIONS. (BRITANNICA)
WHEN THE SUBJECT IS NETWORKING RELATIONSHIP, IT IS EASILY SEEN THAT DEFENSE INDUSTRY HAS THE LION'S SHARE IN ANKARA. THERE ARE WORLD CLASS DEFENSE INDUSTRY COMPANIES WITHIN INNER CITY LIKE ASELSAN, TAI AND BOEING AND THEY PROVIDE OTHER MEDIUM AND SMALL SIZED FIRMS JOB AND COOPERATION OPPORTUNITIES. THEREFORE, FROM ELECTRONIC DEVICES TO WOODEN INDUSTRY, THERE IS A NEED FOR HIGH SKILLED LABOR, INNOVATIVE AND CREATIVE BUSINESS SPACE. IF THE NETWORKING RELATIONSHIPS ARE SUPPOSED TO BE EXAMINED IN THE CASE OF ANKARA, IT GOES BACK WHEN ANKARA BECAME CAPITAL CITY OF TURKEY. AFTER THAT, ALONGSIDE A LOT OF STATE INSTITUTIONS AND GOVERNMENTAL BUILDINGS, PRIVATE SECTOR ALSO PREFERS TO LOCATE IN ANKARA. IN TIME, THESE INSTITUTIONS NEEDED SUBSTANTIALLY HIGH-SKILLED LABOR AND UNIVERSITIES AND HIGH SCHOOLS BECAME WIDESPREAD.
AFTER ALL THESE ADVANCEMENTS, DEFENSE INDUSTRY CAME FOR BOTH BENEFITING FROM THESE FACILITIES AND CONVENIENCE FOR MILITARY ACTIVITY. AND TODAY NETWORKING RELATIONSHIPS SHAPE PREDOMINANTLY AMONG THESE INDUSTRIES AND EDUCATIONAL INSTITUTIONS.



WHEN THE ACCESSIBILITY OF METU TECHNOPOLIS AND IIC IS MAPPED AND COMPARED, IT IS SEEN THAT THE MAP IS SUPPORTING THE RESULTS OBTAINED IN THE REPORT. WHILE, LOCATION OF INFORMATION AND INNOVATION CENTER IS CLOSE TO THE HIGHWAY, METRO LINE, BUS LINES AND MINIBUS LINES, TECHNOPARK IS ACCESSIBLE BY ONLY RING BUS LINES IN TERMS OF PUBLIC TRANSPORTATION.



SOCIALIZATION PLACES OF EMPLOYEES OF FIRMS THAT LOCATED IN METU TECHNOPARK AND INFORMATION AND INNOVATION CENTER WERE COMPARED AND MAPPED. AS WE SEE IN THIS MAP, EMPLOYEES IN INFORMATION AND INNOVATION CENTER HAVE MORE INTERACTION WITH THE CITY IN THE CONTEXT OF SOCIALIZATION. THIS IS THE POINT INFORMATION AND INNOVATION CENTER DIFFERS FROM THE METU TECHNOPARK BECAUSE OF THE ISOLATED STRUCTURE OF METU TECHNOPARK.

CONCLUSION

THIS STUDY ATTEMPTS TO EXPLAIN THE CONCEPT OF LOCALIZATION AND URBANIZATION ECONOMIES IN ANKARA WITH THE CASES OF METU TECHNOPARK AND METU INFORMATICS AND INNOVATION CENTER. TO EXAMINE THE CLUSTERS WHETHER THEY ARE SPATIALLY ISOLATED AND SPECIALIZED OR CONNECTED TO THE CITY WITHIN A DIVERSITY, FIRSTLY A FEW INTERVIEWS HAVE BEEN MADE BY THE FIRMS LOCATED IN METU TECHNOPARK AND METU IIC. IN LIGHT OF THEM, TO REACH MORE FIRMS, ONLINE SURVEY FORM HAS BEEN PREPARED AND SENT TO THE FIRMS. WHILE THE FEATURE OF LOCALIZATION ECONOMIES ARE PLACING ISOLATED FROM THE URBAN AREA, WITH LOW TRANSACTION COST CLUSTERING SPECIALIZED AND PRODUCING INCREMENTAL INNOVATION, URBANIZATION ECONOMIES HAVE FEATURES OF MORE DIVERSIFIED STUDY FIELDS, LOCATING IN THE METROPOLITAN AREA, ATTRACTING GLOBAL TALENT AND CREATING RADICAL INNOVATION. TWO DIFFERENT QUESTIONNAIRES WERE MADE.
ACCORDING TO SURVEY RESULTS, IT CAN BE CONCLUDED THAT METU INFORMATION AND INNOVATION CENTER IS FOUND MORE CONNECTED WITH ITS ENVIRONMENT BECAUSE IT IS EASY TO ACCESS WITH ANY VEHICLE (PUBLIC TRANSPORTATION OR PRIVATE CAR) WHILE METU TECHNOPARK IS CONFIRMED AS MORE ISOLATED. HOWEVER, EVEN THERE ARE FEW DIFFERENT EXTERNALITIES BETWEEN METU IIC AND METU TECHNOPARK, IT MAY NOT POSSIBLE TO SAY METU TECHNOPARK HAS EXACTLY ALL QUALITIES OF LOCALIZED CLUSTER AND ALSO METU IIC HAS ALL QUALITIES OF URBANIZED CLUSTER. THAT IDEA IS JUST A CONCESSION TO IDENTIFY THE LOCALIZATION AND URBANIZATION ECONOMIES.

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