SUSTRIPUBLE DEVELOPMENT WORK SHOP



Sustainable Urban development forum

SUDF

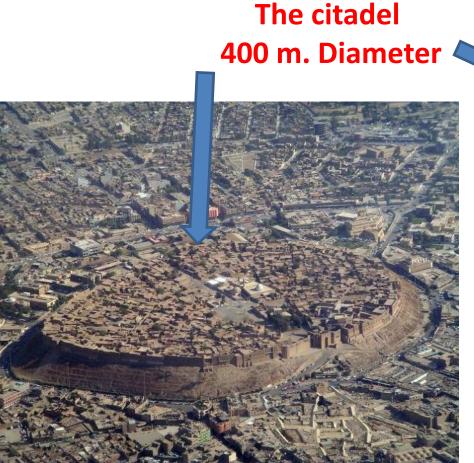


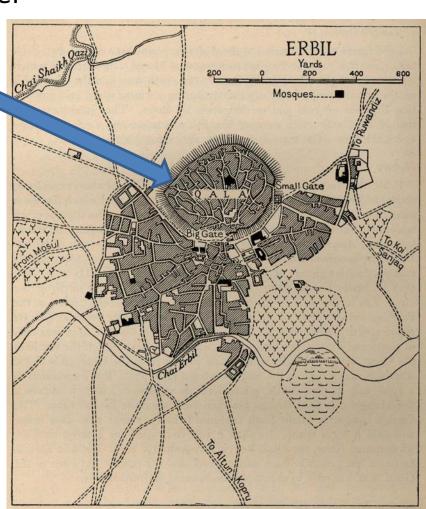
Uncontrolled Urban Growth in Kurdistan

Dr. Mahmood Khayat

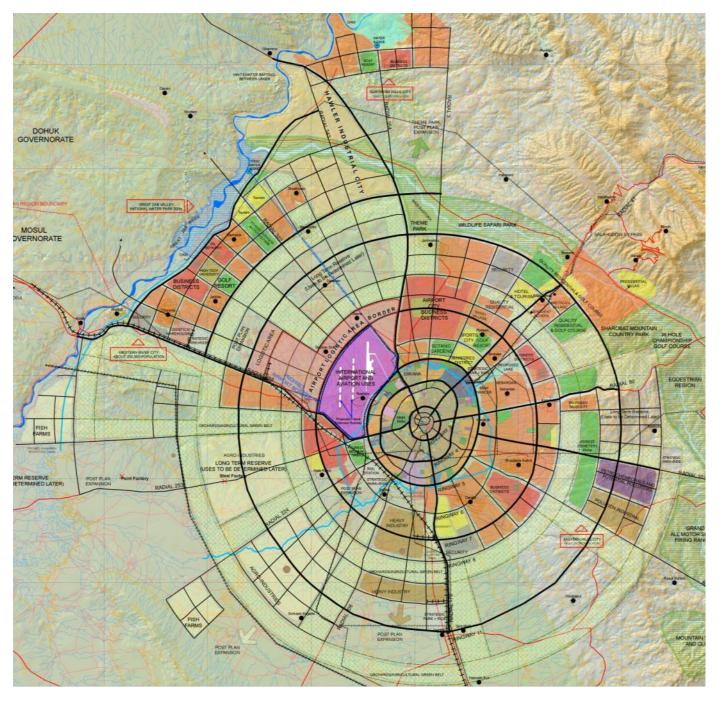
Department of Architecture-College of Engineering-University of Salahaddin

A City with Less Than One Kilometer Diameter

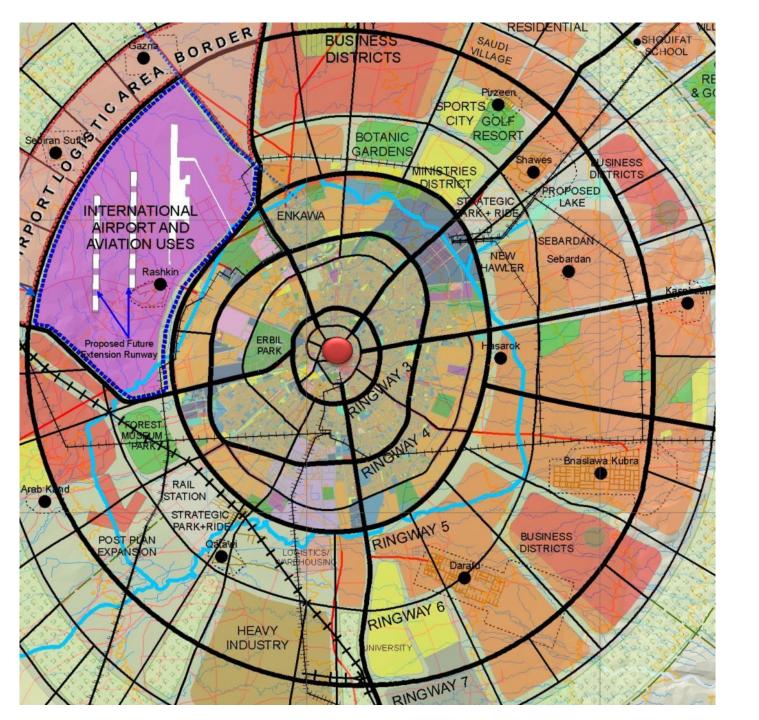




Erbil City in 1944

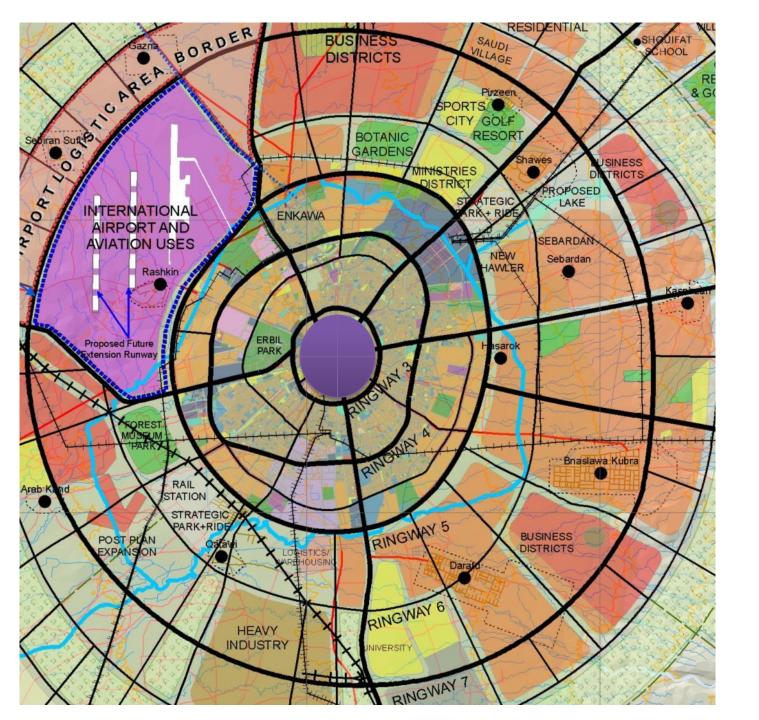


2007 Master plan proposal suggested that on 2030 the greater **Erbil city** will be more than **50** kilometer diameter



1944

Erbil city
size in
relation to
the
proposed
size in
2030



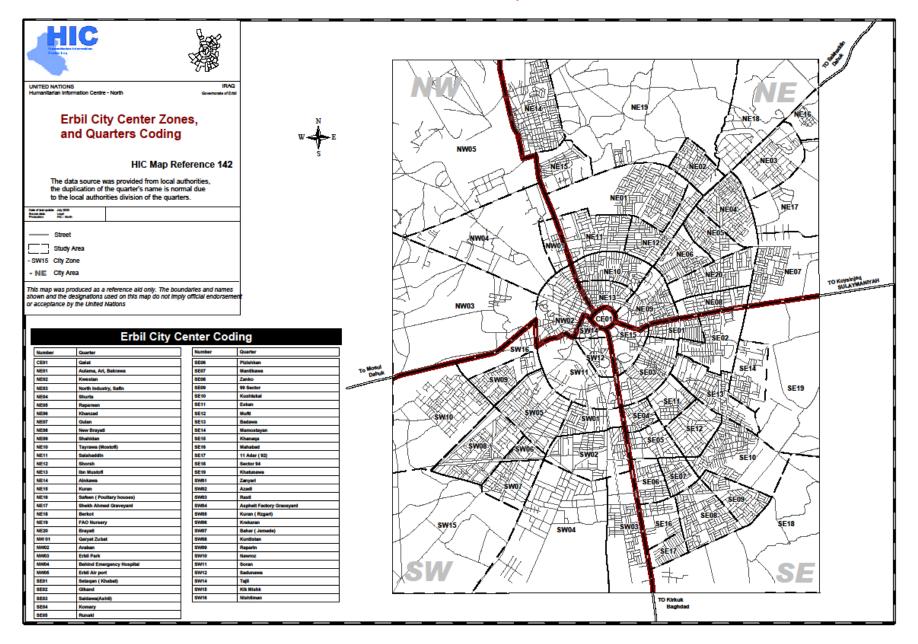
1970

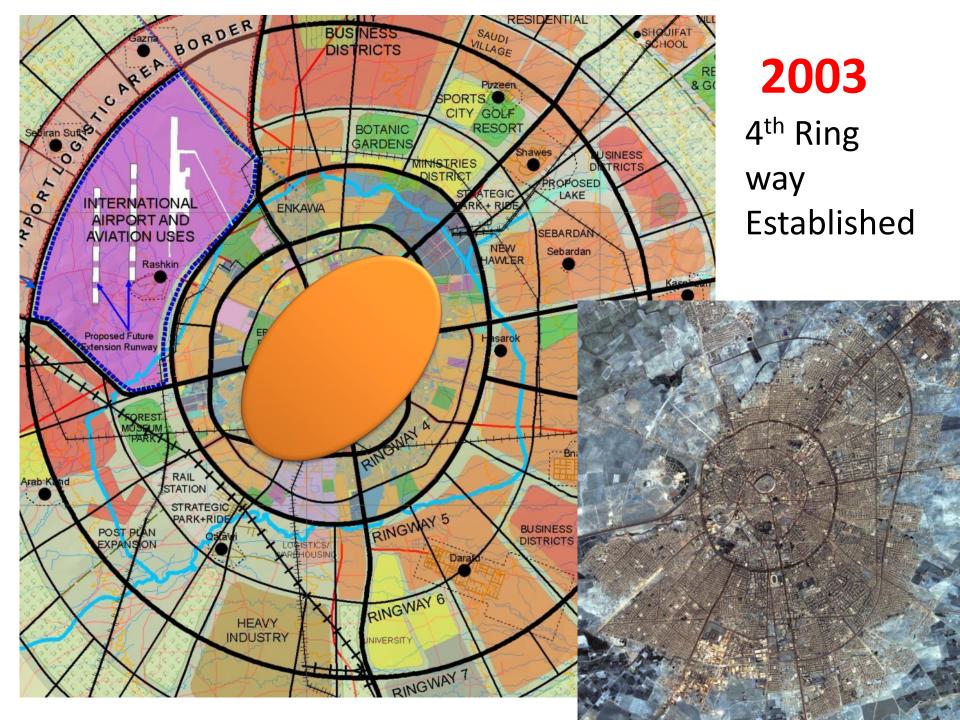
3rd ring (60 street) road was the outer skirt of the city

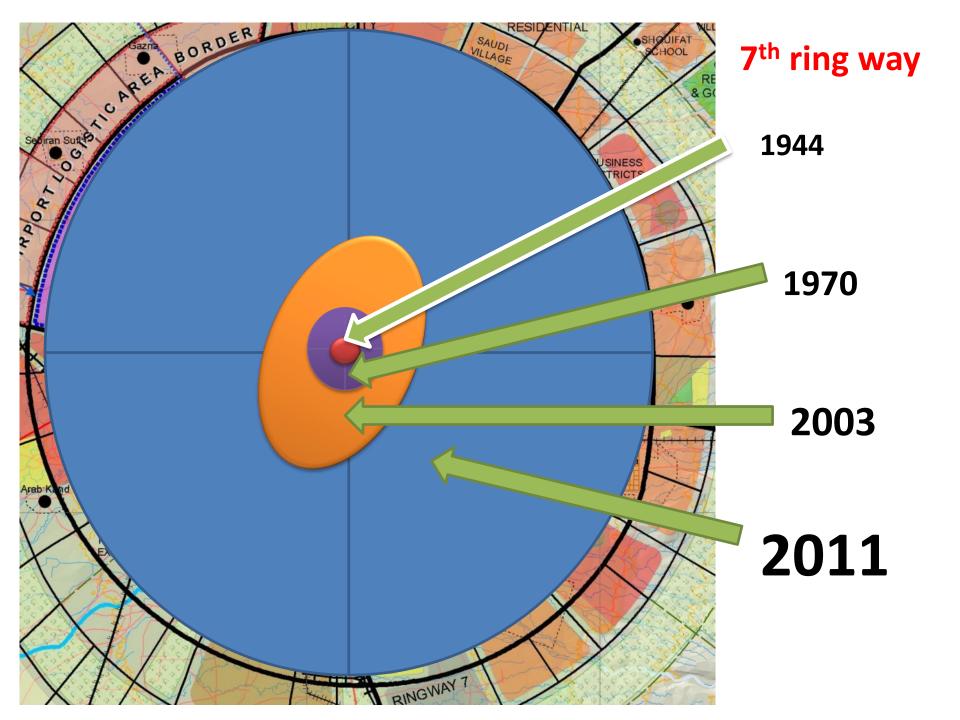
size in relation to the proposed size in 2030

UNITED NATIONS

Humanitarian Information Centre – North July 2003









Kurdistan Regional Government-Iraq Investment Board

Information and Studies Department

Directorate of Information

List of Licensed Projects in Kurdistan Region

According to law no. (4), 2006

From: 2006/08/01 to 2011/09/30

Investment Board

Information and Studies Department

Directorate of Information

Licenced Projects: Under implementation

From: 2006/08/01 to: 2011/09/30



Kurdistan Region

Sector: All Sectors

Investment Type: All

Country: All

Table No (3)

Investment By Investment type_Capital In Million Dollar

Investors' Nationality	Erbil	Sulaimaniya/Erbil	Sulaimaniy	Duhok	Total	%
Foreign	1,611	150		509	2,269	14.22%
Joint Venture	322		343	30	694	4.35%
National	7,710		4,442	838	12,990	81.42%
Grand Total	9,642	150	4,785	1,377	15,954	100.00%

Year's Capital In Million Dollar by Investment Type

Year	Capital In Million Dollar	by Capital %	
2006	438.308	2.75%	
2007	3,963.363	24.84%	
2008	1,814.256	11.37%	
2009	3,929.171	24.63%	
2010	4,758.997	29.83%	
2011	1,050.095	6.58%	
Grand	15,954.190	100.00%	

Investment Board

Information and Studies Department Directorate of Information

Licenced Projects: Under implementation

From: 2006/08/01 to: 2011/09/30



Number Of Licensed Projects By Sectors

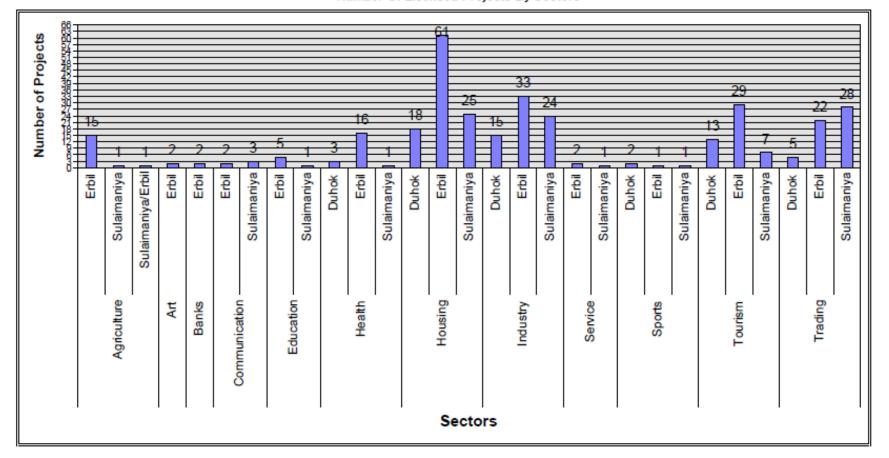
Kurdistan Region

Sector: All Sectors

Investment Type: All

Country: All

Figure No (1)



Investment Board

Information and Studies Department Directorate of Information

Licenced Projects: Under implementation

From: 2006/08/01 to: 2011/09/30



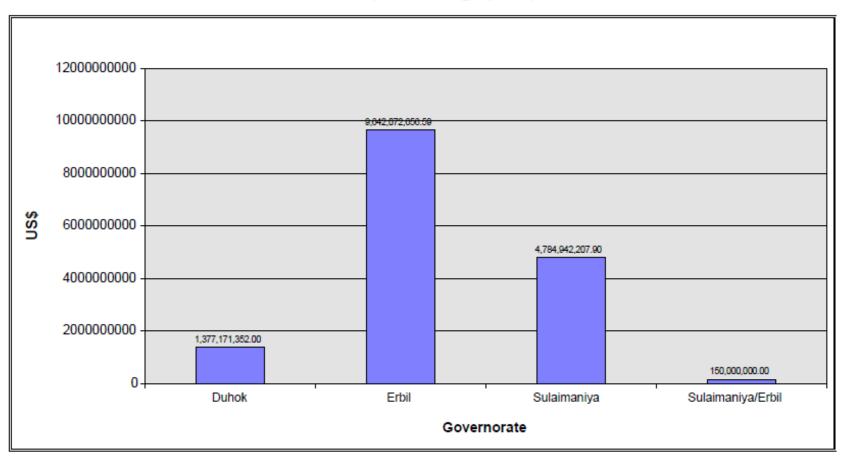
Investment By Governorates_Project Capital In US\$

Kurdistan Region

Sector: All Sectors

Investment Type: All

Country: All Figure No (2)



This rapid development

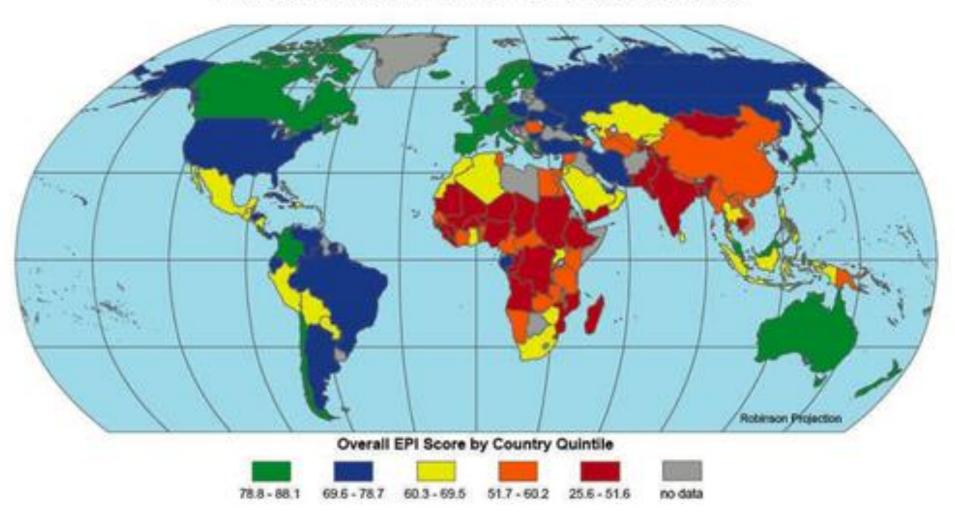
- 1-Solved housing problems
- 2-Created jobs
- 3-Atrcted Local and International Investors
- 4-Highlightedted the City and the region Internationally
- 5-Raised the living standards in the Region
- And many other positive points

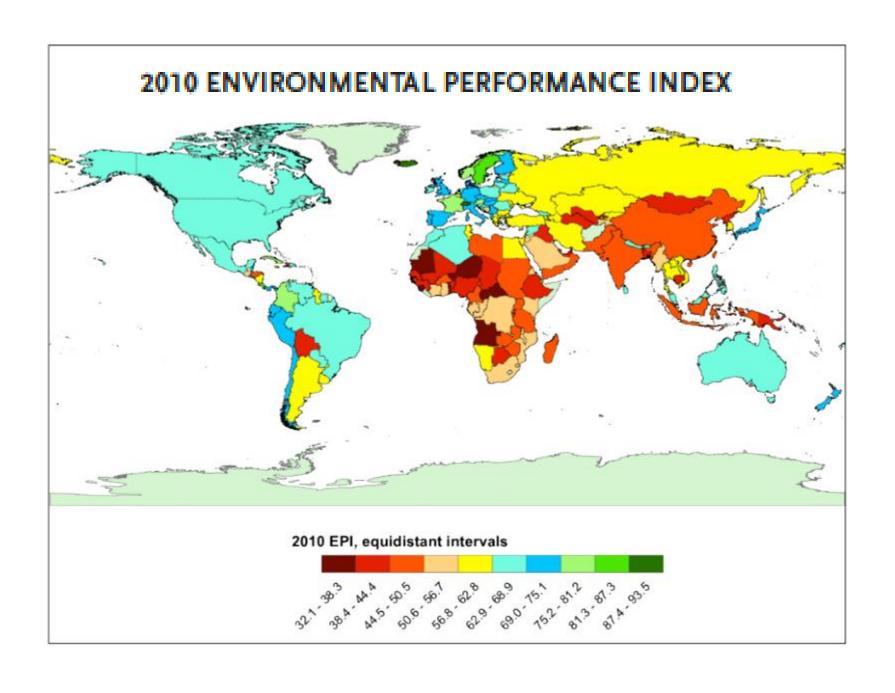
But this non properly controlled Rapid Urban Growth had impacts on Built and non Built Environments

Such impacts can be detected by indexes such as

the **Yale university** EPI index provides a powerful tool for steering individual countries and the world toward environmental sustainability.

Pilot 2006 Environmental Performance Index





The department of Architecture vision is to have Our Country
Our Region Kurdistan
And Our City Erbil

Available in such Indexes with a Positive Impact on Environment locally and on the level of the Globe

Such local problems can be treated by international knowledge, Methods and experties

This Forum and the coming Conference may lead the Region towards more Awareness about Environment and adopting more Sustainable Policies

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THNKS

Dr. Mahmood Khayat

Department of Architecture-College of Engineering-University of Salahaddin