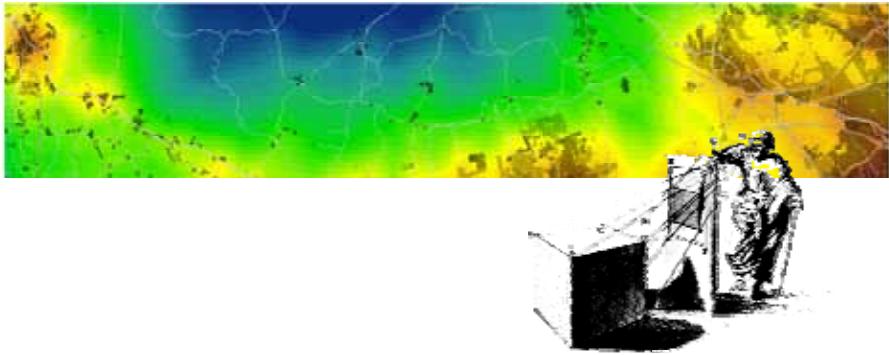


UKCL

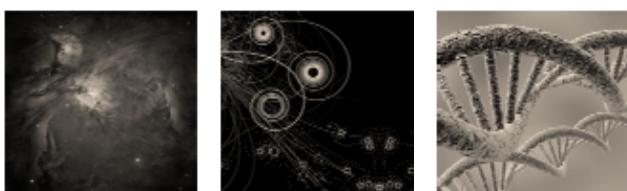
Development of an urban growth model
using high-resolution historical data



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funded by EC's FP7 Marie Curie Fellowship

UKCL

advances in *astronomy physics genetics*

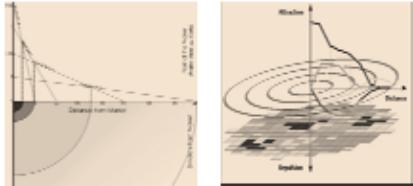


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advances in *astronomy physics genetics*



inquiries in *urban modeling*

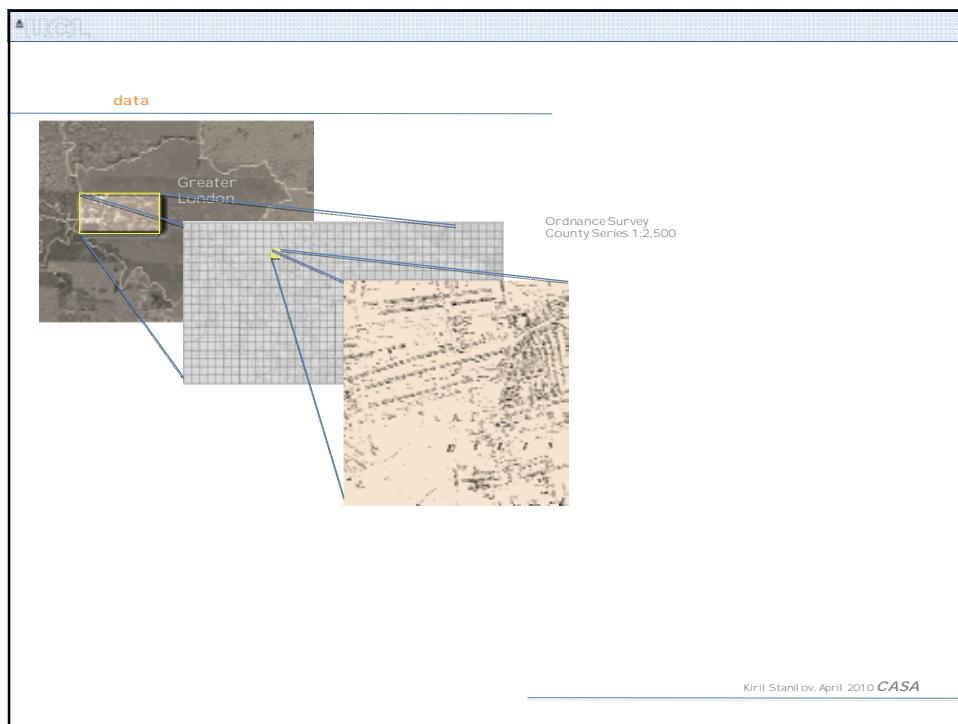
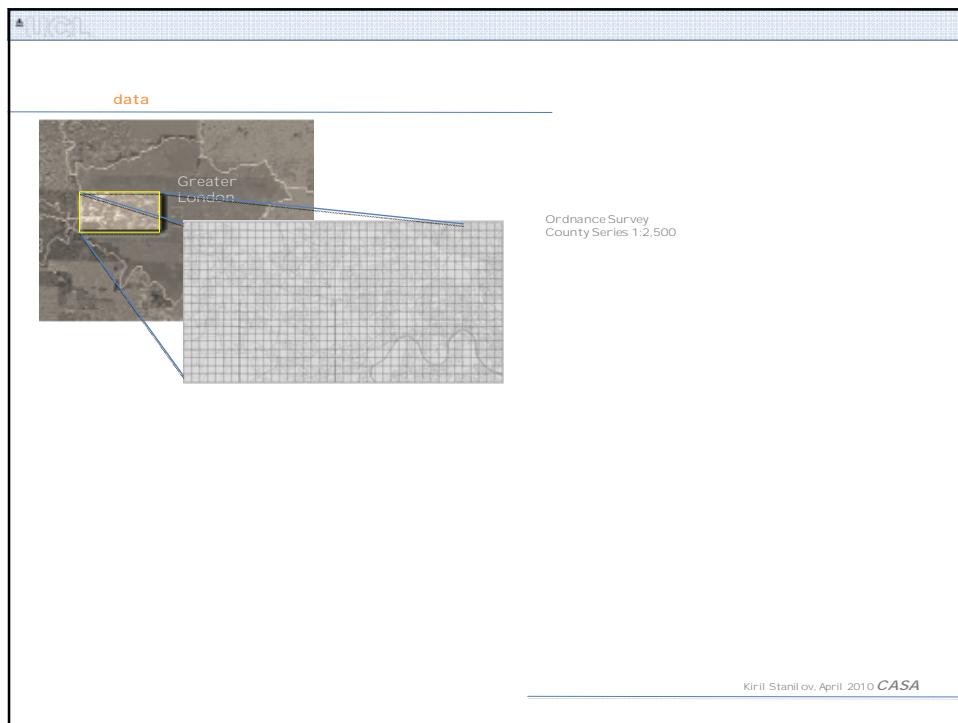


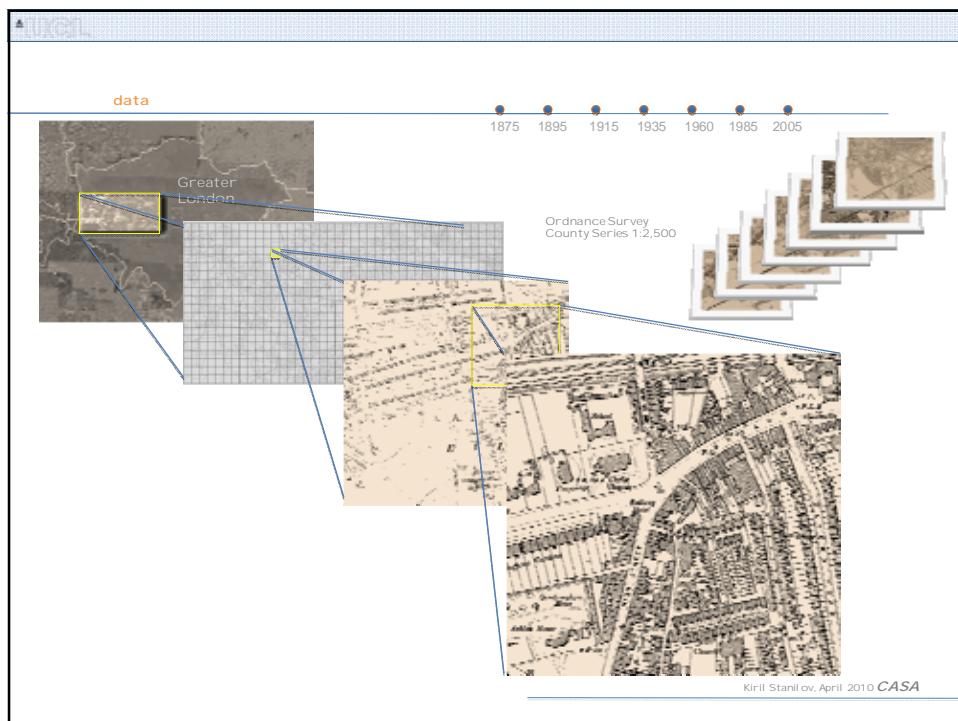
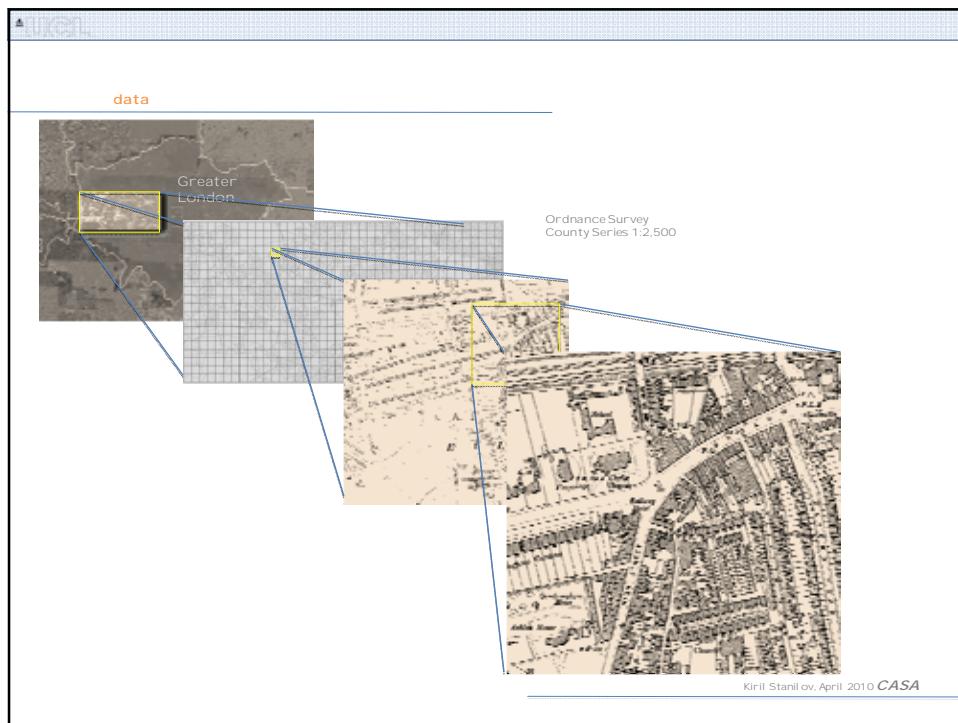
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data



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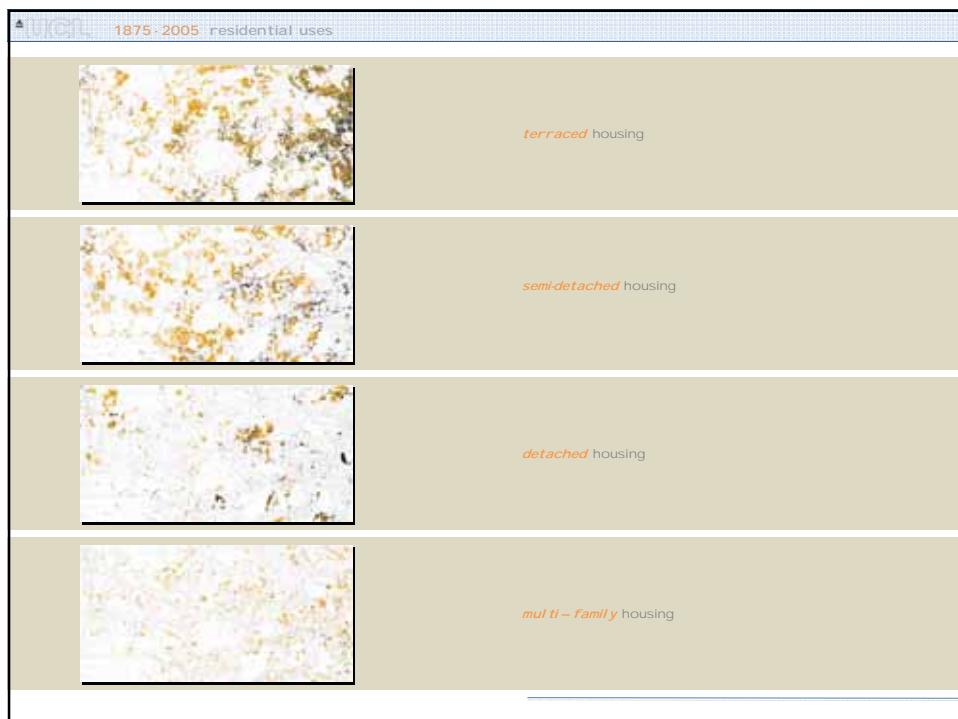


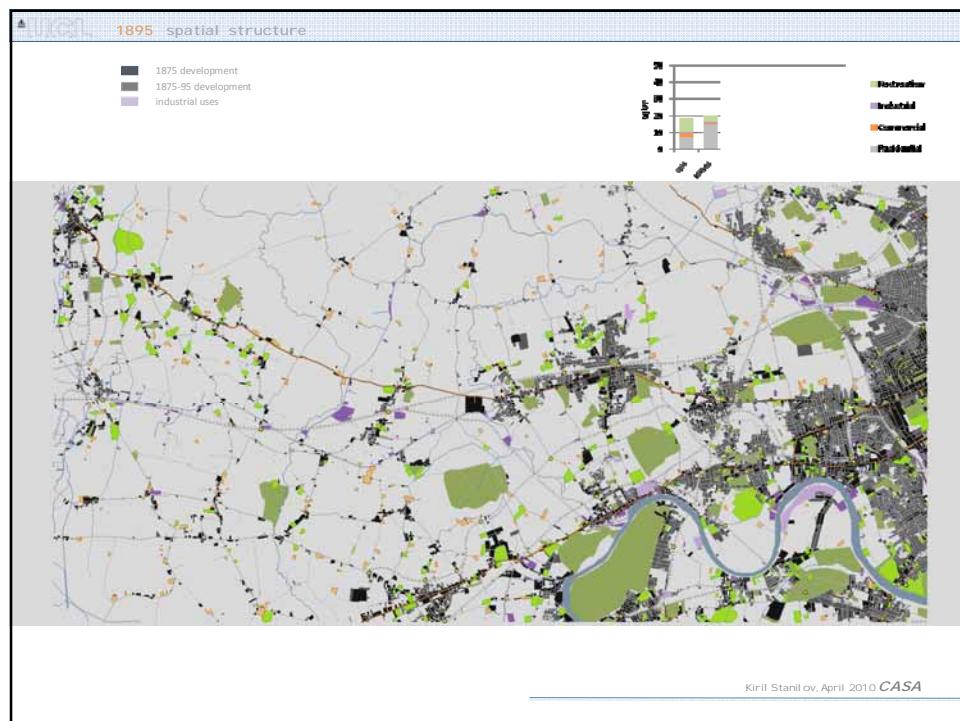
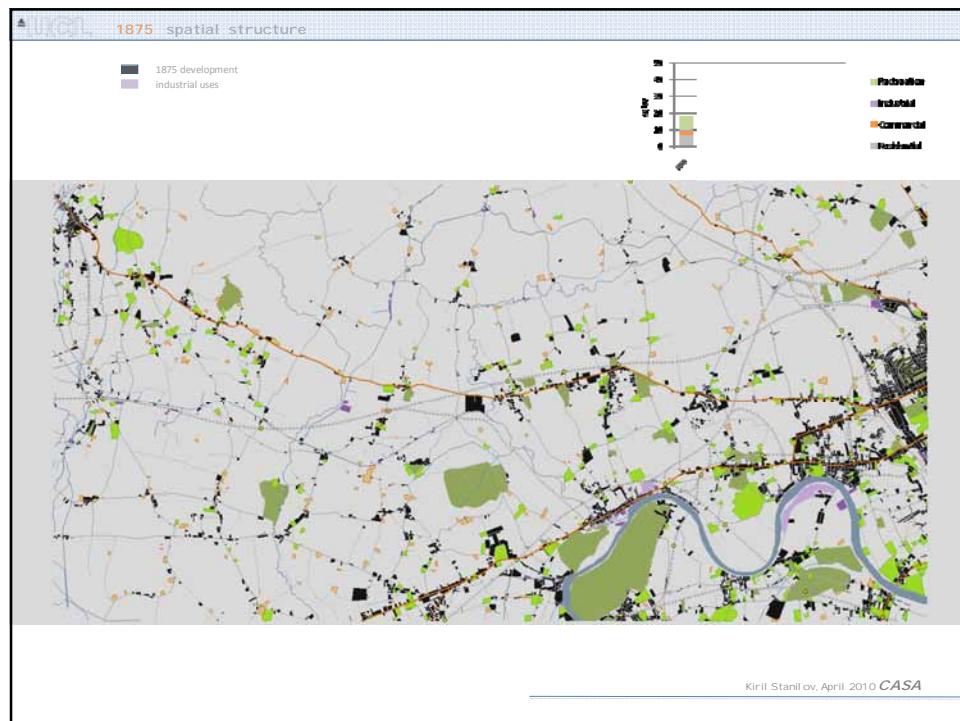


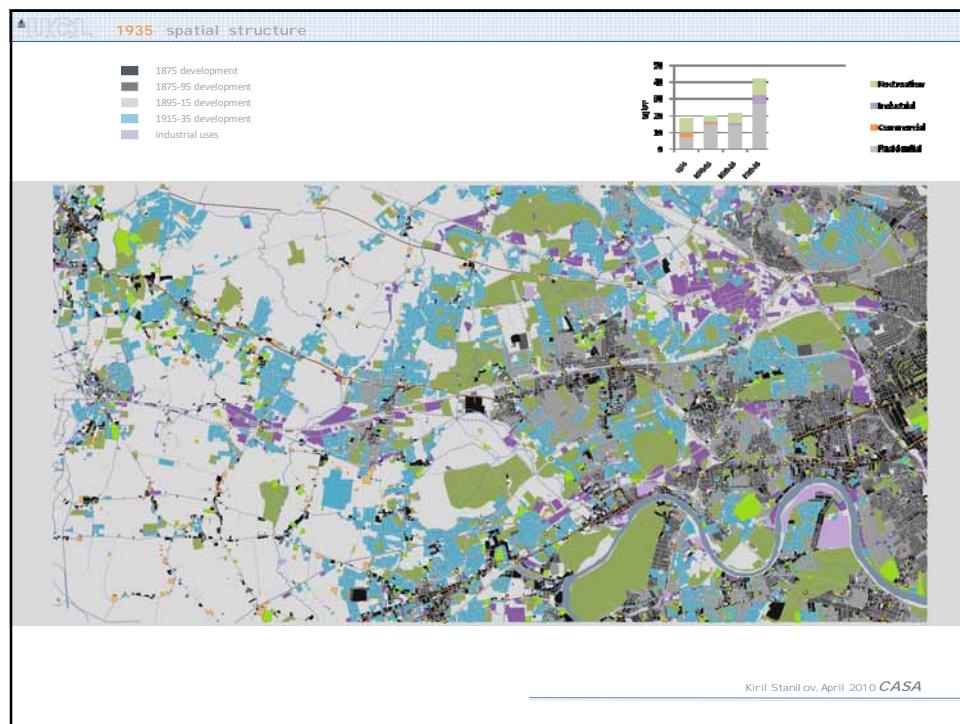
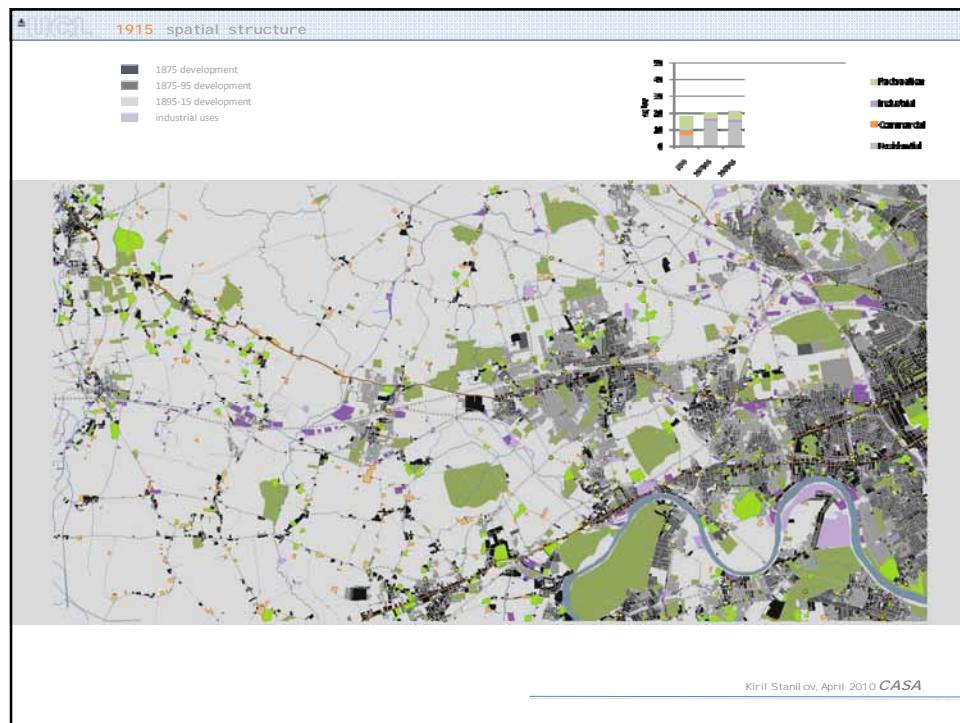
Land use *classification*

used in model	digitized in GIS	interpreted from OS maps	used in model	digitized in GIS	interpreted from OS maps
residential	apartments high-rise apartments cottage houses terrace houses news semi-detached houses small lot detached houses detached houses lodges	low and mid-rise apartments (2 - 6 stories) high-rise apartments (over 6 stories) cottage houses terrace houses news semi-detached houses small lot detached houses detached houses lodge	commercial	old fabric general retail entertainment	old fabric general retail public houses movie houses dance halls ganges office
	inn hotel institutional public	inn city hall library police station fire station post office hospital asylum almshouse penitentiary prison museum convalescent home military barracks day care school college university	industrial	industrial	works mill wharf dock depot brewery malthouse water works gas works sewer works
	educational	church convent rectory priory frater synagogue temple hermitage	recreation	parks cemeteries recreation	parks commons greens cemeteries band grounds golf course public club recognition ground playground stadiia
religious			airports	airports	airports
			transportation	roads railway lines	roads railway lines
			water	rivers canal	rivers canal
			soft	estates	estates
			vacant	undeveloped allotment gardens nurseries cleared	undeveloped allotment gardens nurseries cleared

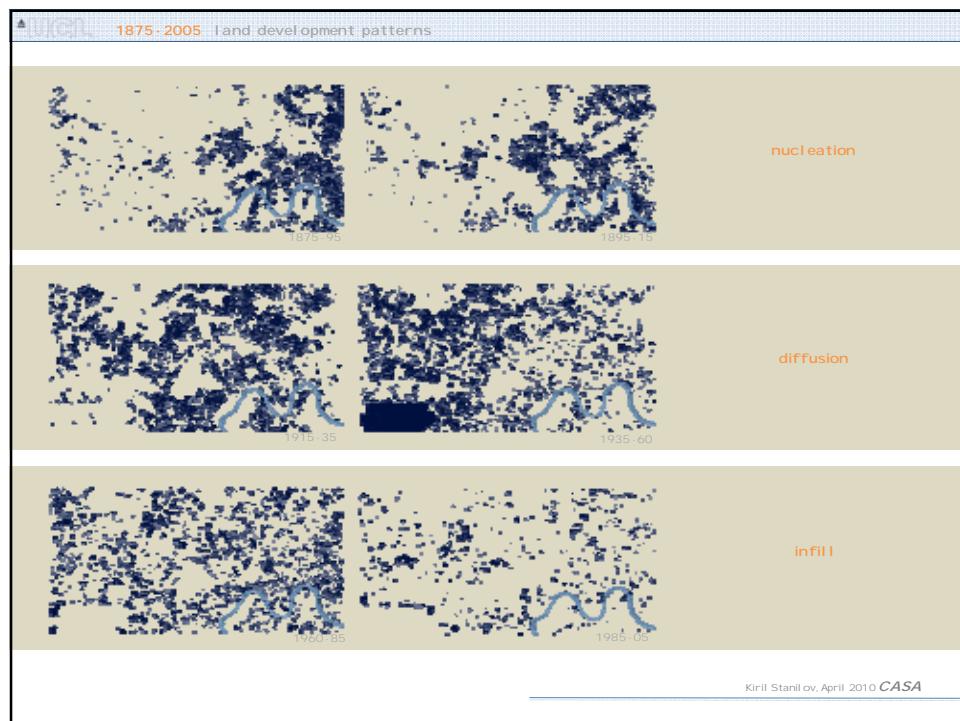
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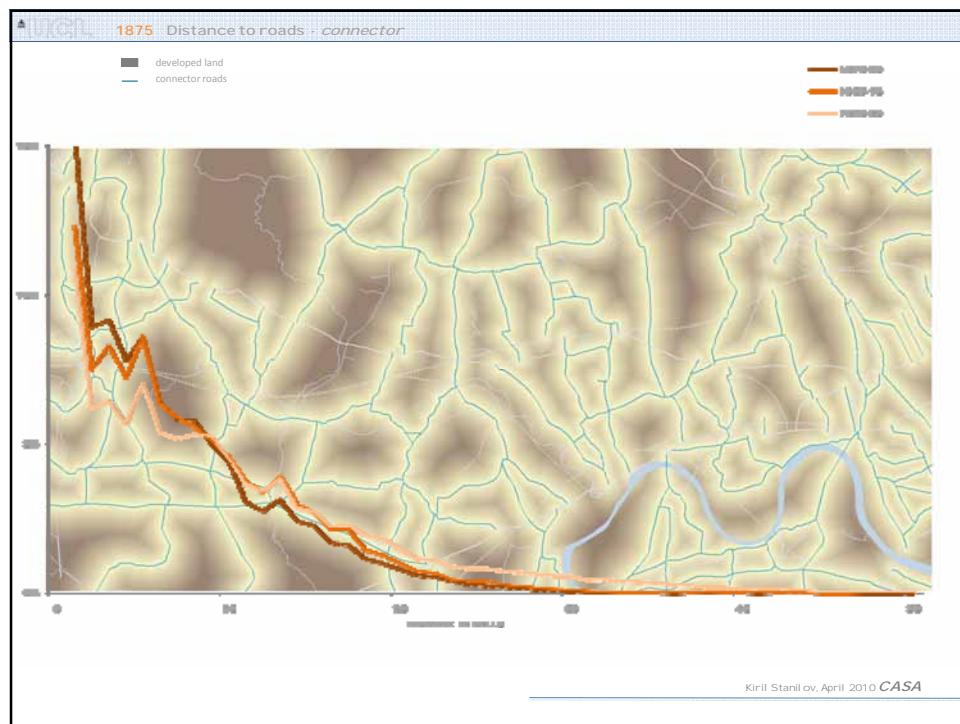
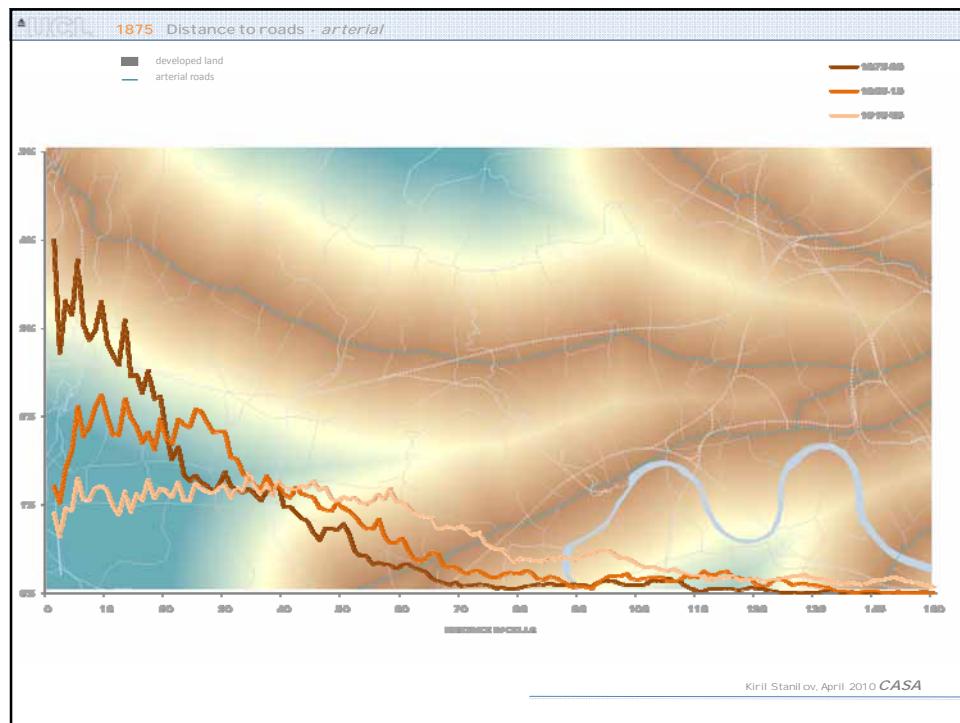


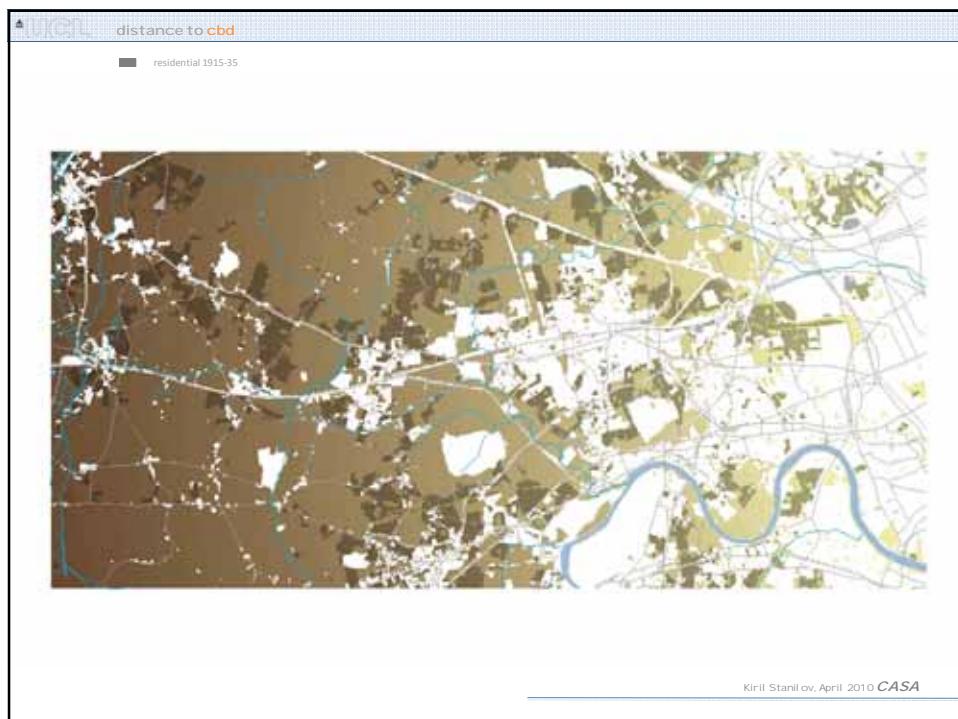






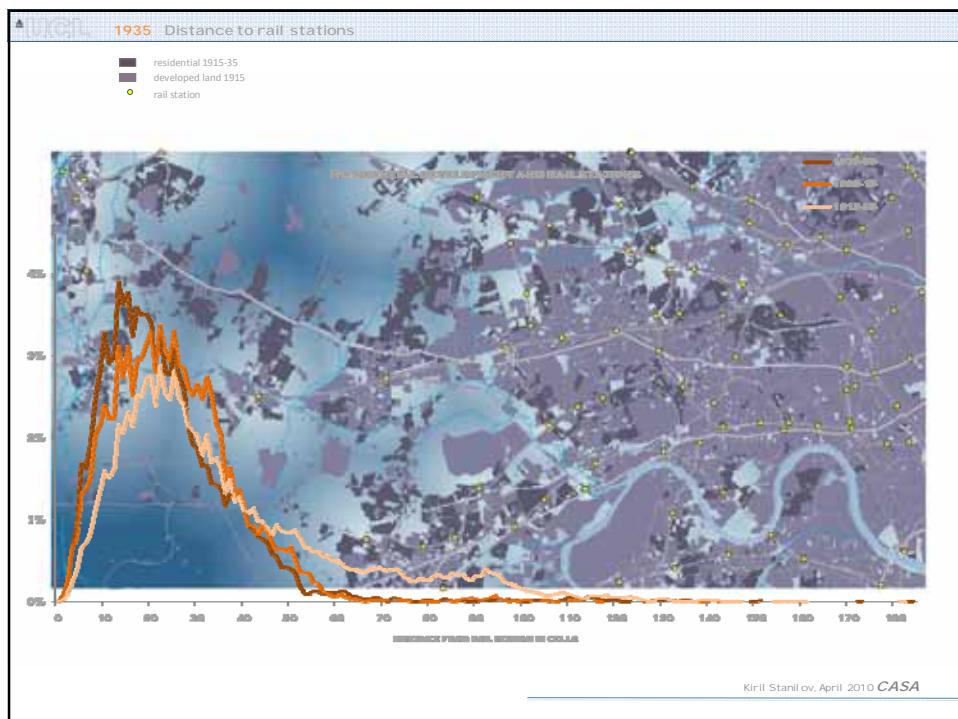


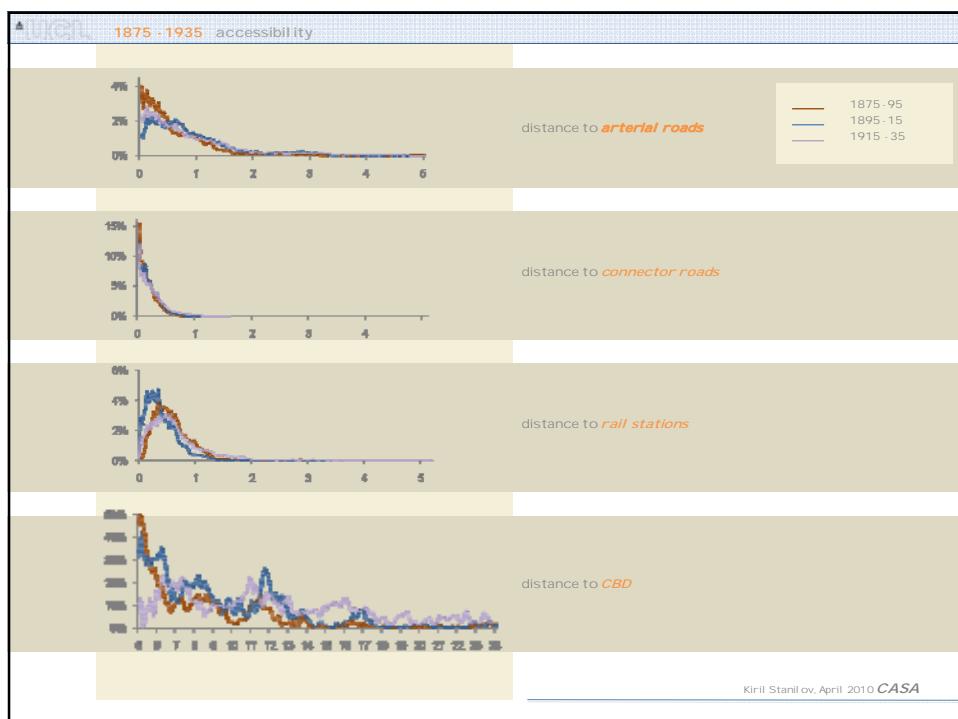
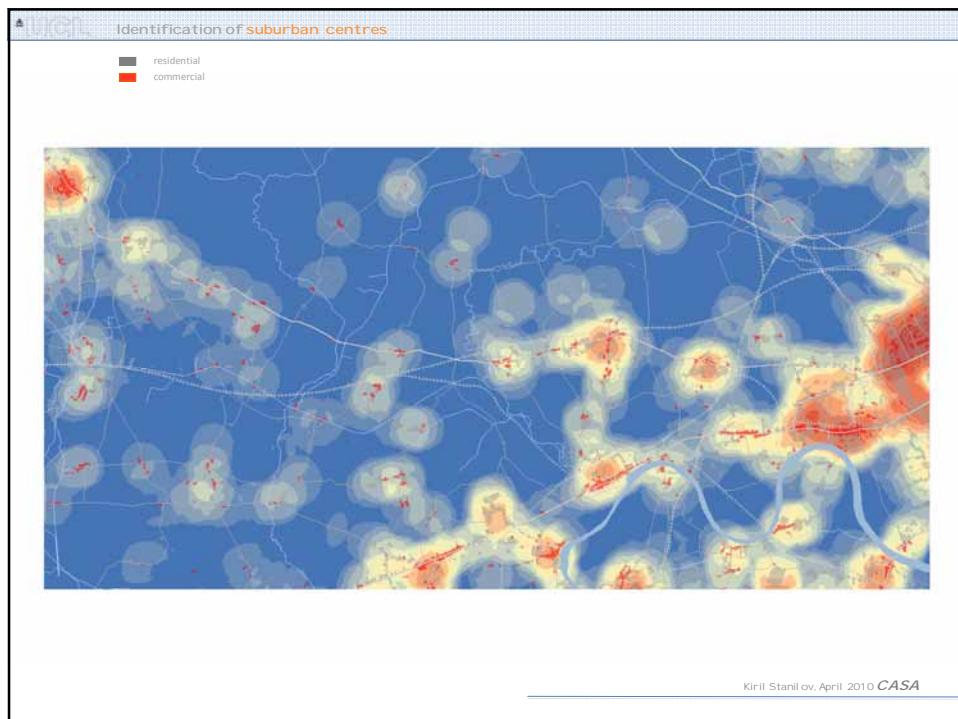


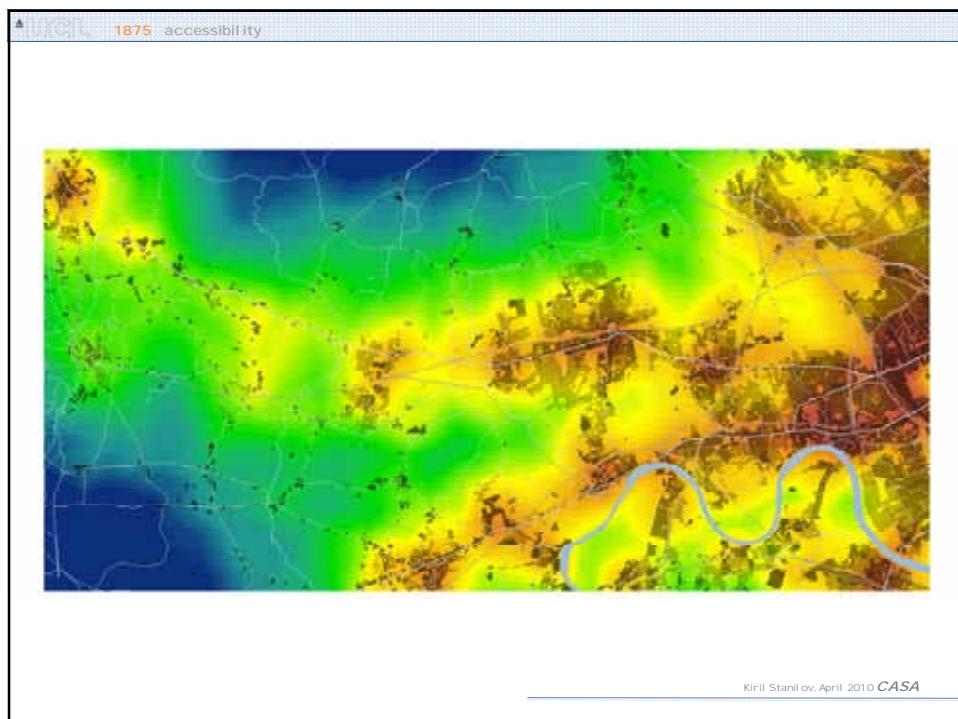
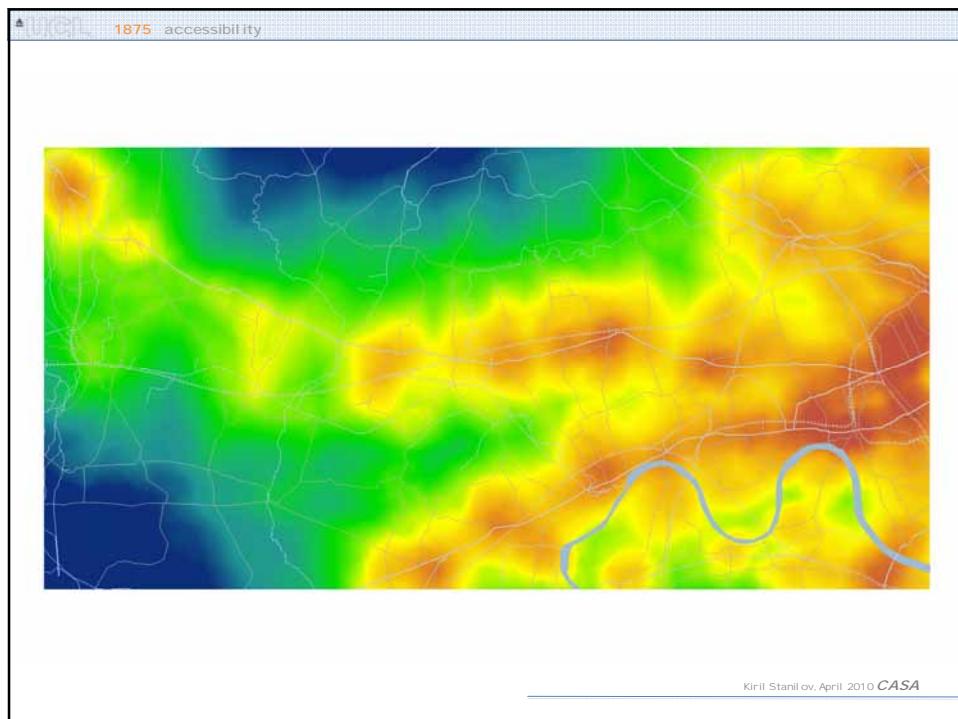


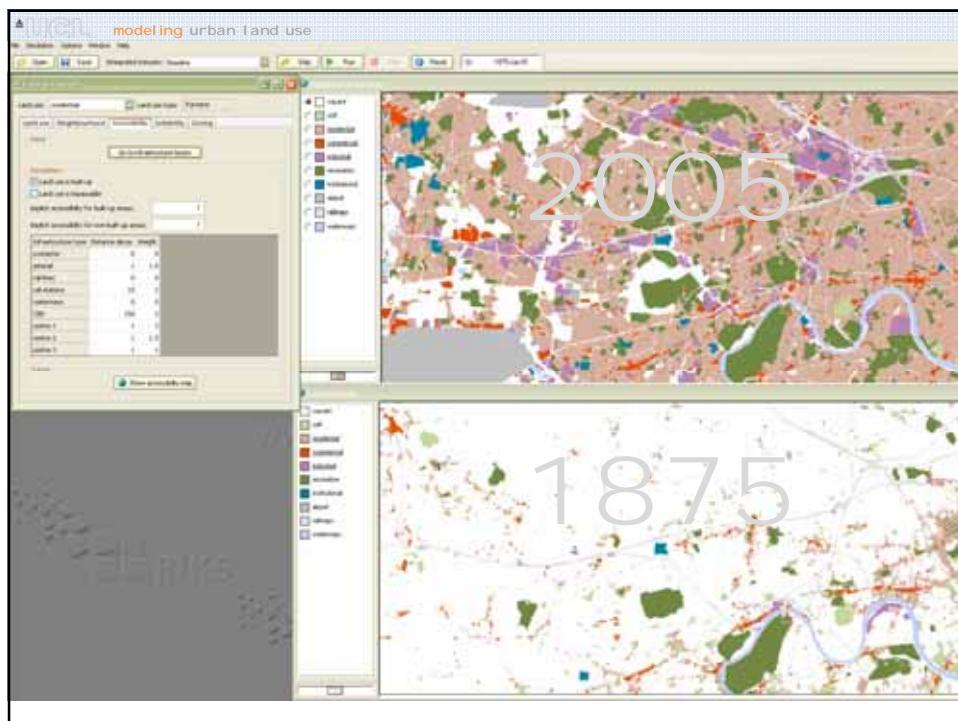
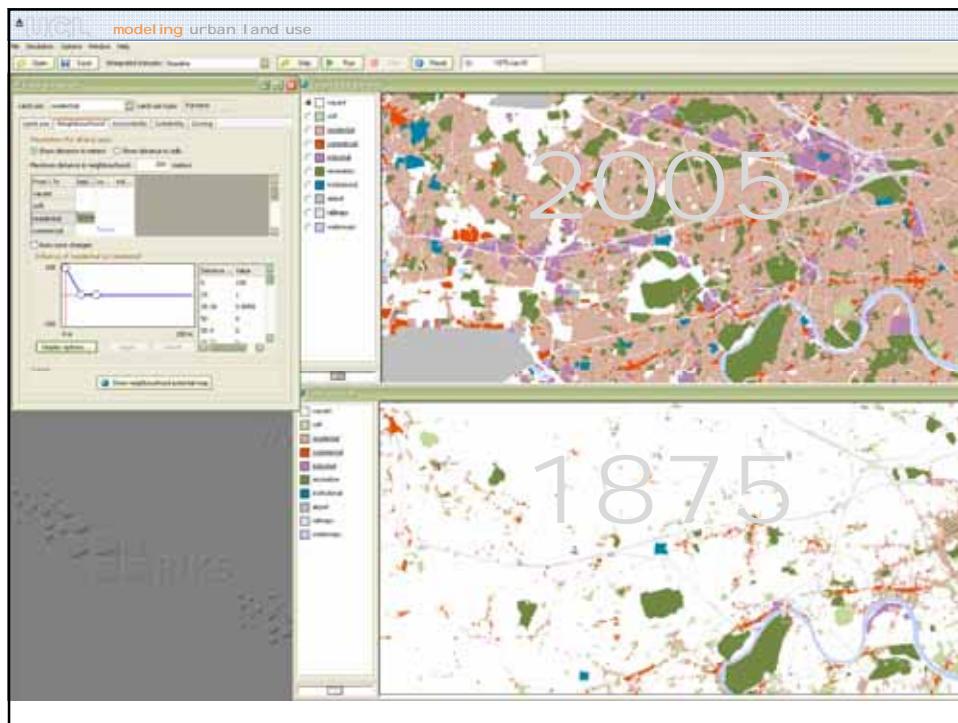


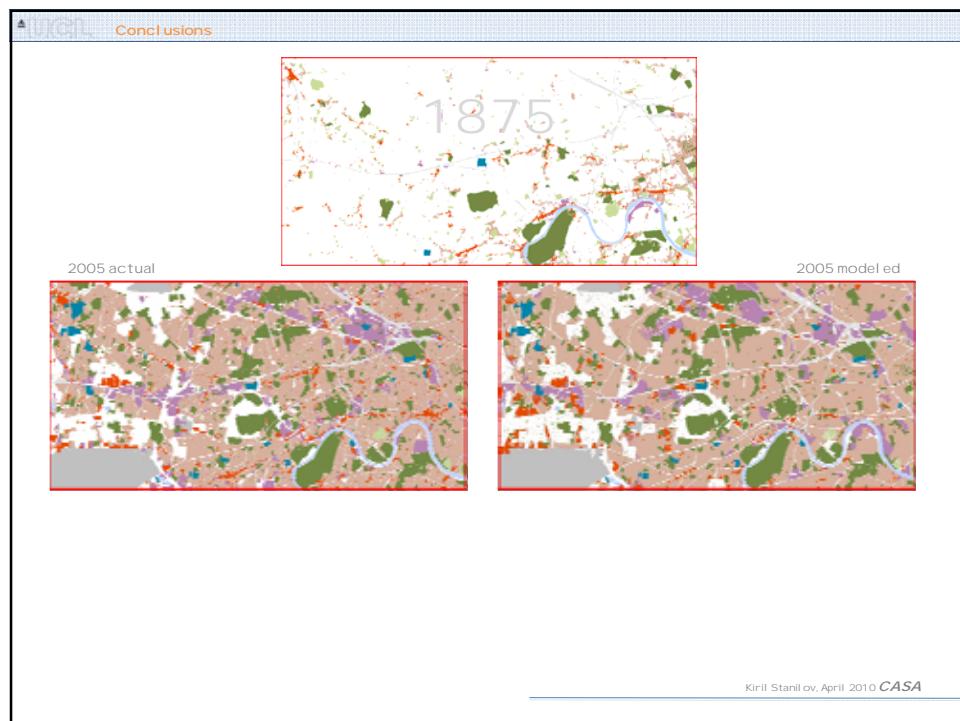
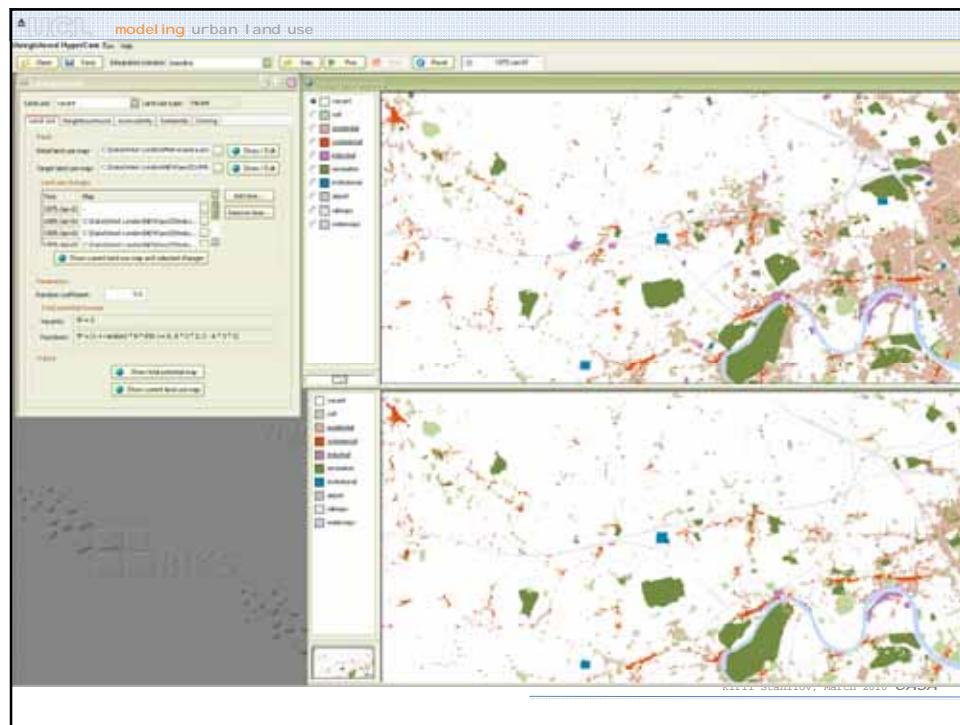


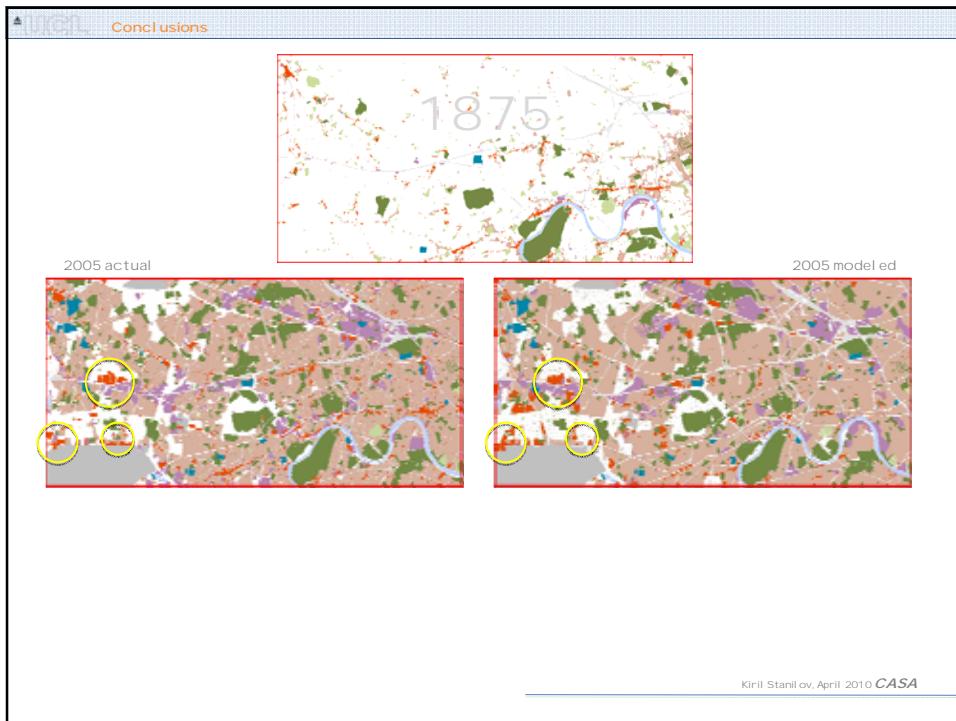
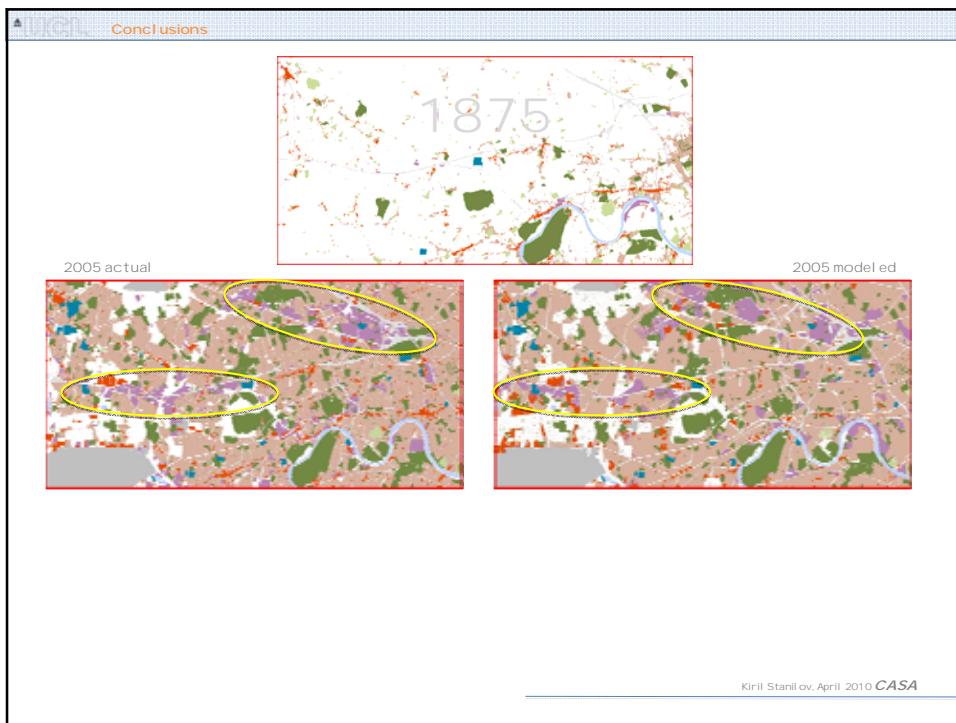












UCB Conclusions

actual model ed

1895

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UCB Conclusions

actual model ed

1895

1915

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UKCI Conclusions

actual model ed

	actual	model ed		
1895				
1915				
1935				

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UKCI Conclusions

actual model ed

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1960				

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Conclusions					
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Conclusions					
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