



The FAIS project



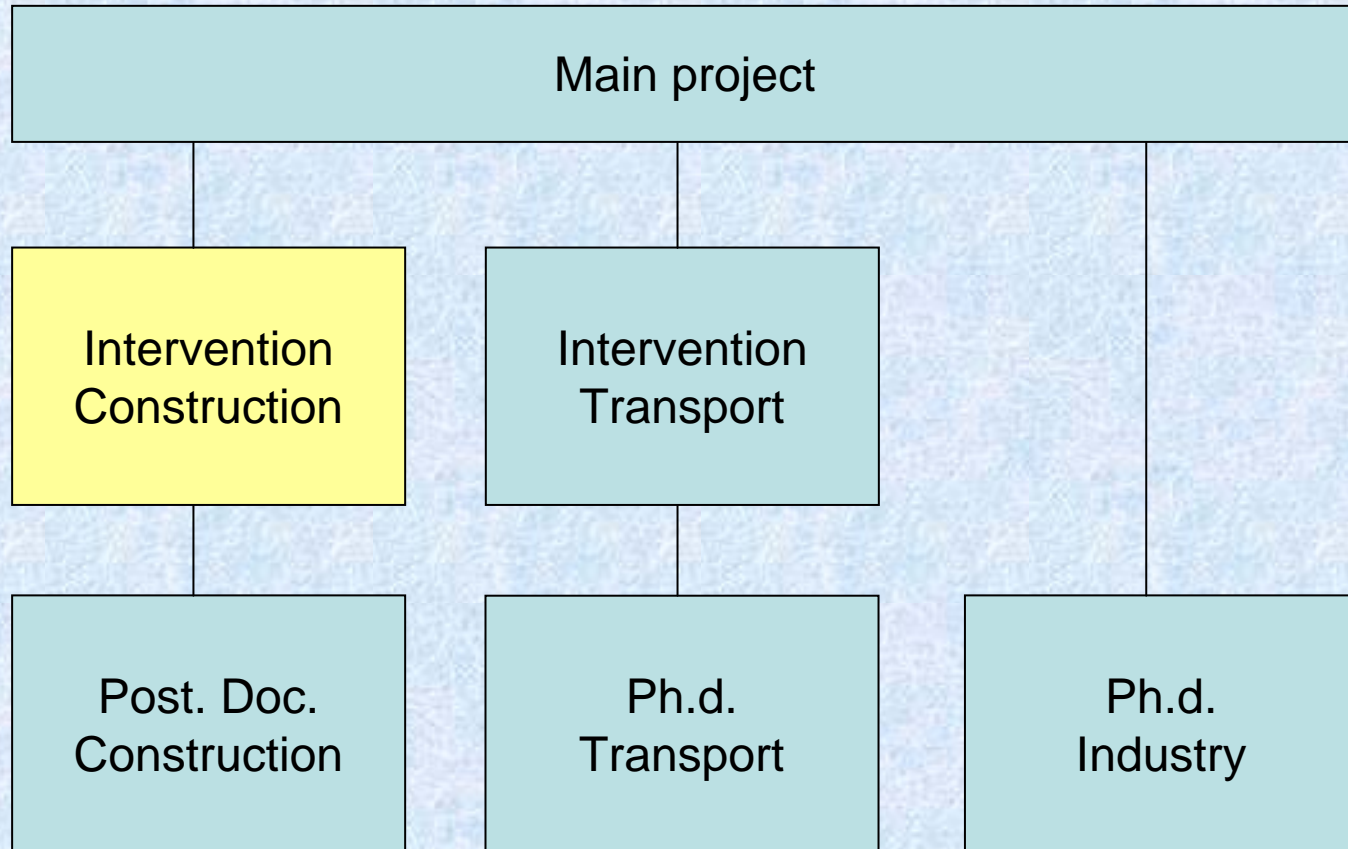
Safety climate/culture and intervention: Experiences from the FAIS project

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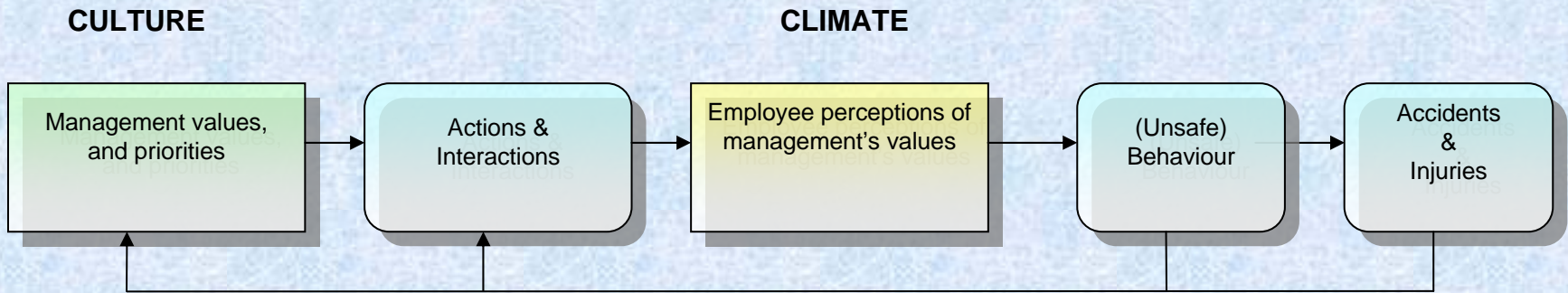
FAIS Project: Overview



Safety Culture

- "it matters what ideas one uses to think other ideas" (Strathern 1992)
- Culture as *civilization* (Enlightenment tradition)
- Culture as *Kultur* (Romantic tradition)
- Safety culture and context

Culture and Climate



Safety Climate Intervention

- Safety climate questionnaire
 - Undertaken before and after intervention
- Safety dialogue interviews (Talks)
 - Undertaken before, during and after intervention
- Safety index observations (Walks)
 - Undertaken before, during and after intervention
- Coaching
 - Undertaken during coaching

Data gathering



BS Method

Observation	Correct	Total	Incorrect	Total
1. Worker behaviour	///// /////	9	///// //	7
2. Scaffolding and ladders	///// ///// / /// /	14	/////	5
3. Machines and equipment	/////	5	/	1
4. Fall protection	///// ///	8	///// ///// ///	13
5. Lighting an Electricity	///// ///// /	10	//	2
6. Housekeeping	///// ///// / /// // ///// ///	23	///// ///// /////	14
	Total	69	Total	42
TR-index =	$\frac{\text{Correct}}{\text{Correct} + \text{Incorrect}}$		$\frac{69}{69 + 42} \times 100 = 62\%$	

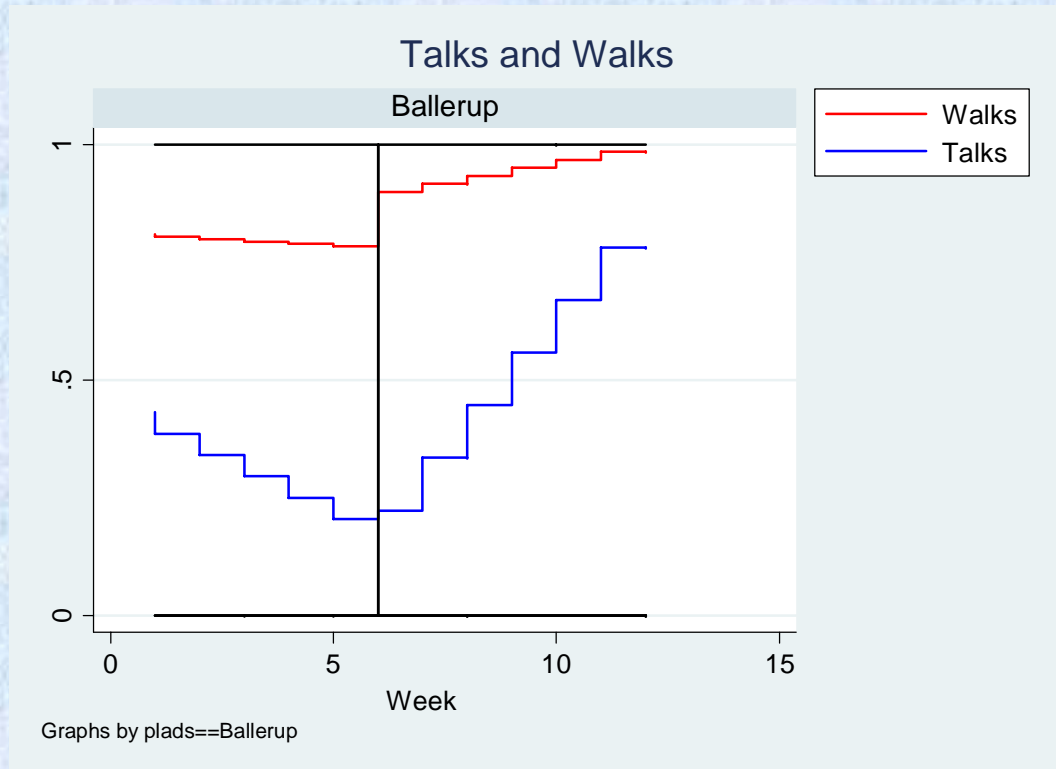
Hypotheses

1. Leader based coaching increases the amount of safety related dialogue between workers and front line supervisors
2. An increase in safety related dialogue between workers and front line supervisors will have a positive effect on the safety index
3. An increase in safety related dialogue between workers and front line supervisors will have a positive effect on safety climate
4. Coaching has a lasting effect on safety related dialogue and the safety index

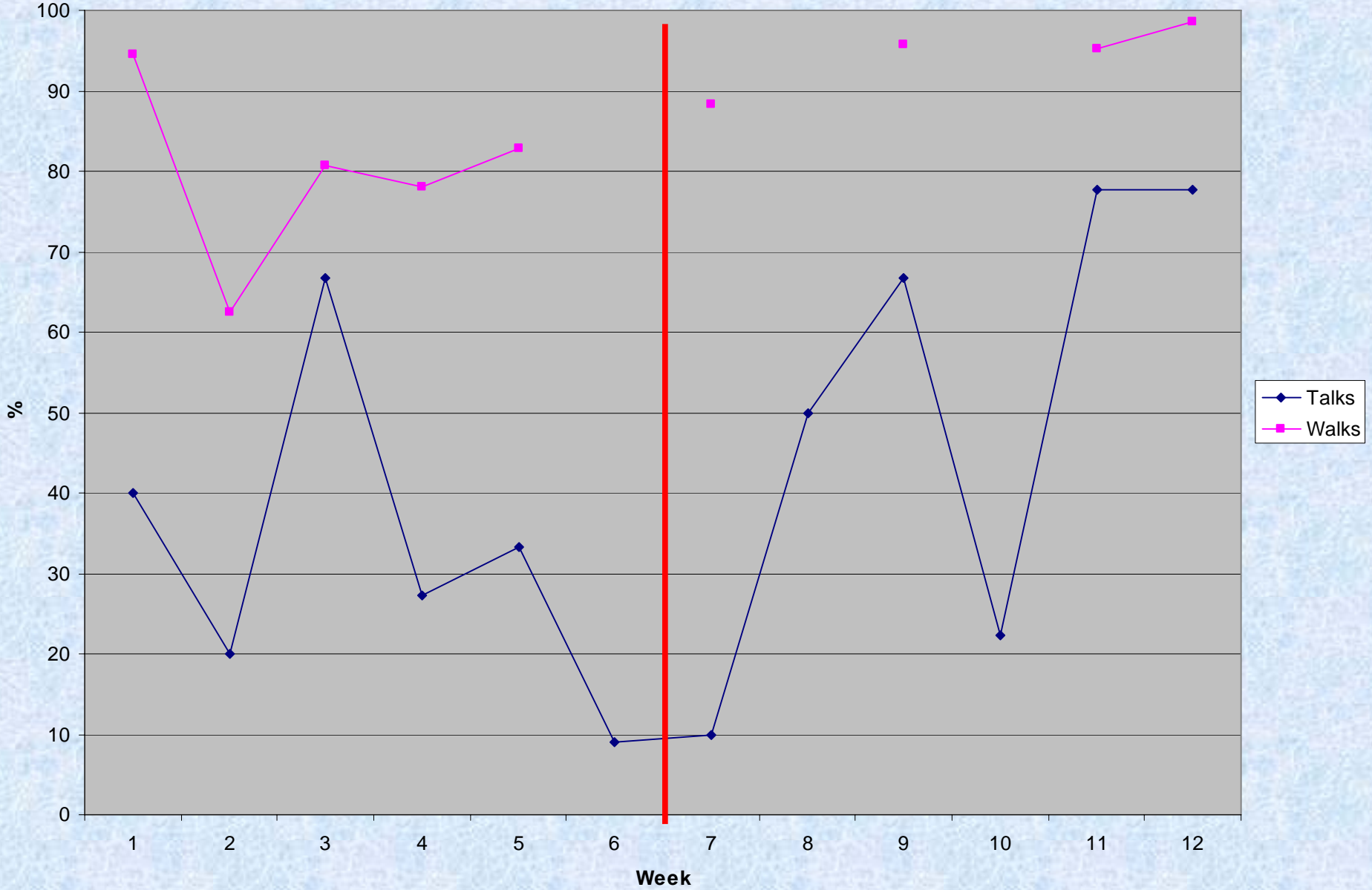
Material

- 7 Building sites
- 2 international construction companies
- Apartments, office buildings, car park, shopping centre and a golf course complex
- 20.000 BS observations (Walks)
- 1.800 Interviews (Talks)

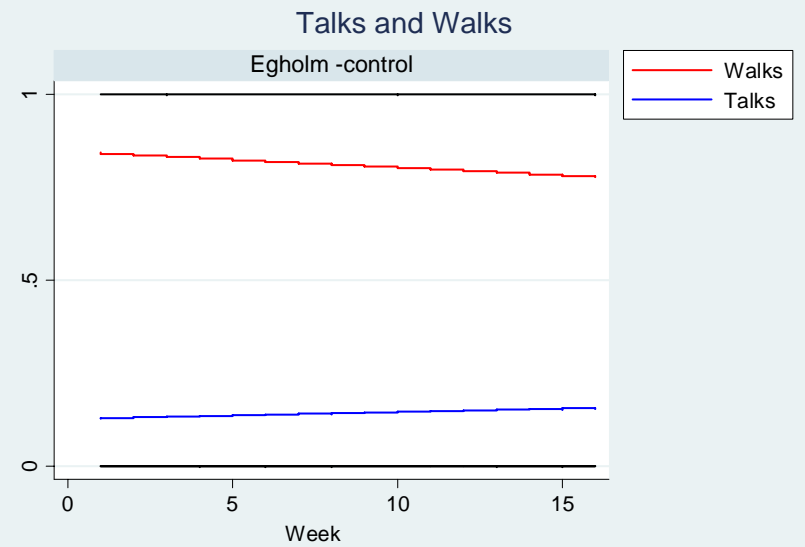
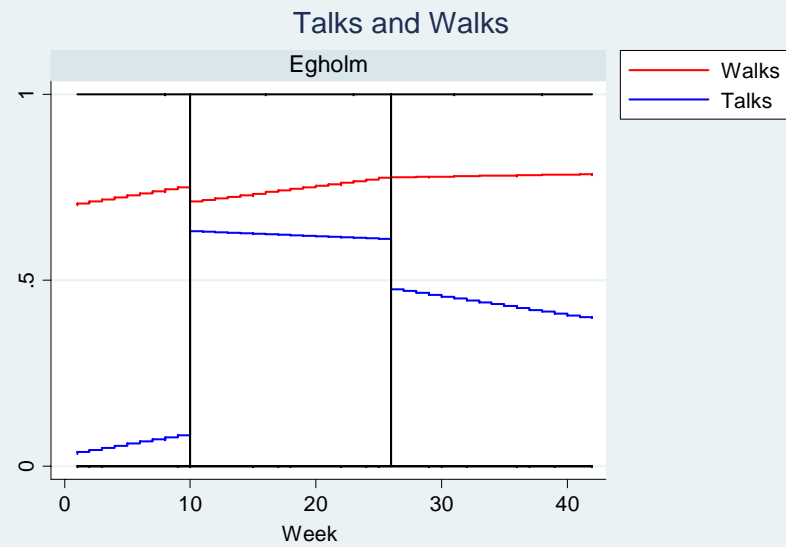
Results: Site A



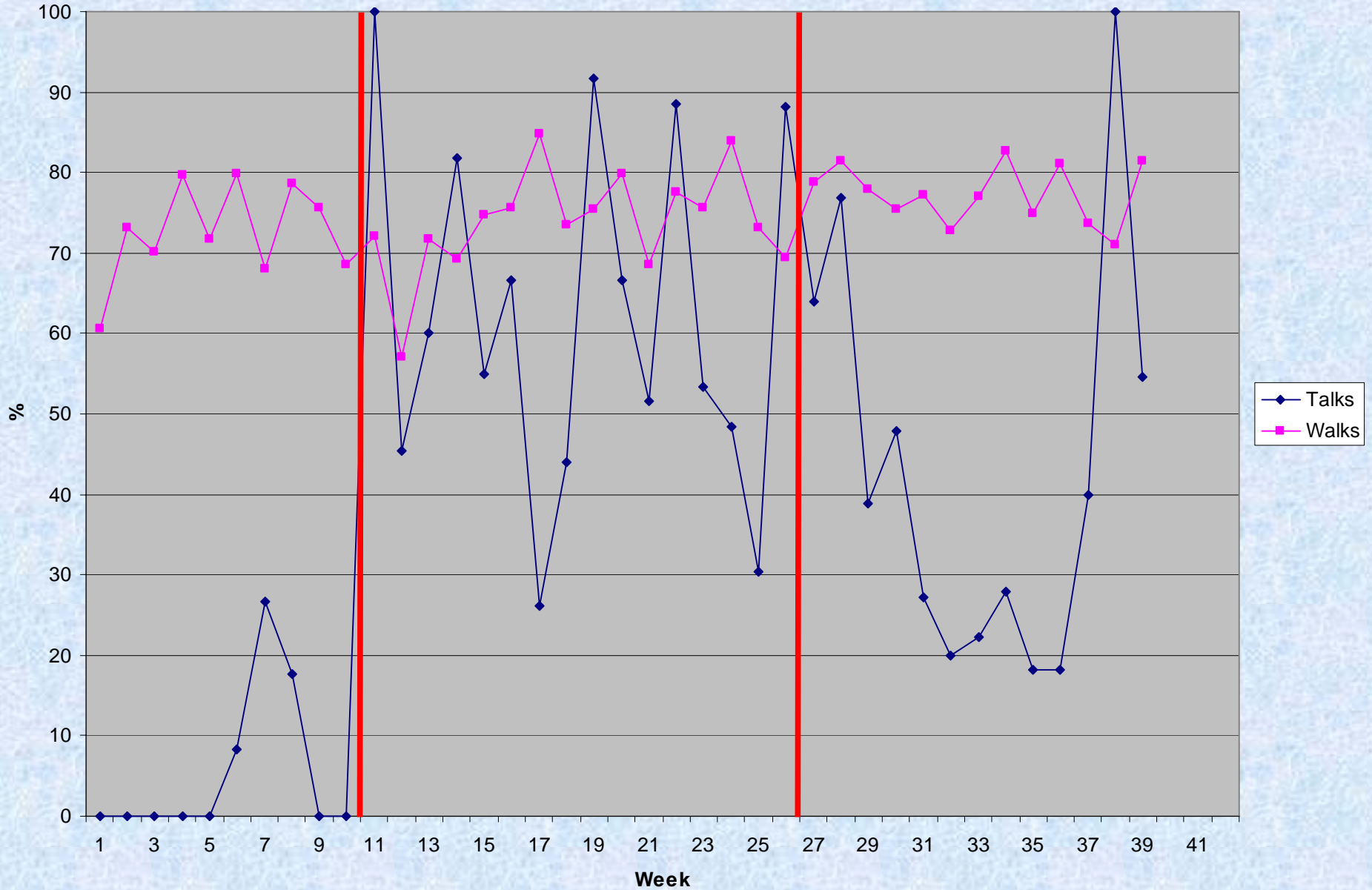
Ballerup



Results: Site D and E



Egholm



Construction intervention: Evaluation

1. Leader based coaching increases the amount of safety related dialogue between workers and front line supervisors
2. An increase in safety related dialogue between workers and front line supervisors will have a positive effect on the safety index
3. An increase in safety related dialogue between workers and front line supervisors will have a positive effect on safety climate
4. Coaching has a lasting effect on safety related dialogue and the safety index

Construction intervention: Reflections

- Construction and the issue of measurement
- Communication culture within different branches
- Work culture in the Scandinavian model
- How much culture can we cope with