

Design catalogue project feedback

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- Where are we?
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HVSIA catalogue – objective and significance

- To disseminate information related to HVS research areas
- To promote HVS technology
- To report on research needs of member countries

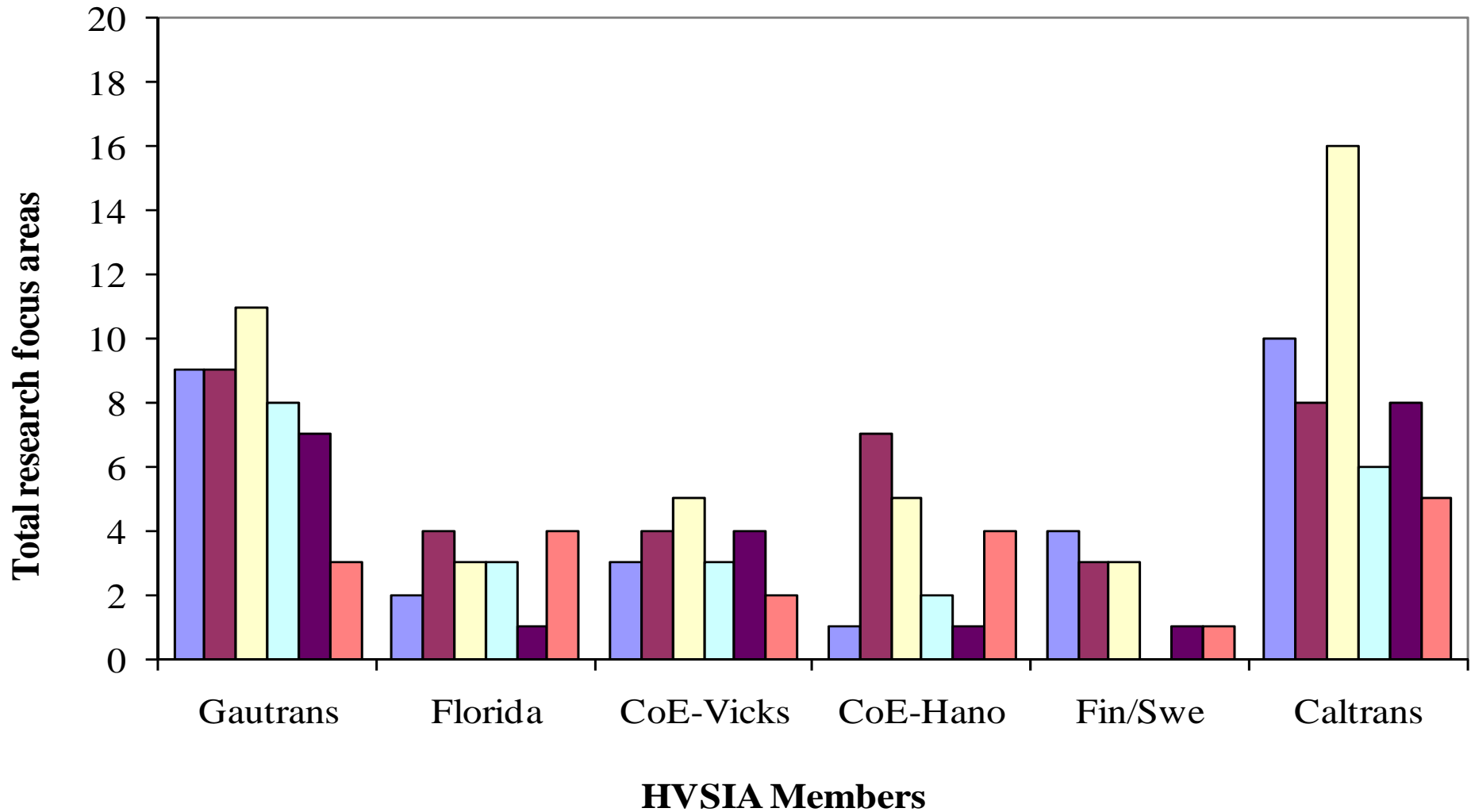
- Chronological listing of HVSIA research activities
- HVS performance history, test programs, photographs, etc.
- Outdoor new research focus and competency areas
- Information sharing for HVSIA

- Foundation for HVSIA catalogue

Activity matrix - summary

Focus Areas	Competency Areas																	Competency Areas Continued													
	Struc Des				Materials					Performance				Rehab/Maint				Constr			o Sys	VPI			Instr			EI A			
										Func	Struc																				
Asphalt	F	R	C	V	F	C	R	V	C	R	C	F	R	C	CR	E	R	V	C	F	R	C	C	F	C	R	F	CR	C	R	CR
Cem layers		R	C	E		E	R	C		R		E	R			R				E	R										
Concrete	F	R	C		F	C	R		R		F	R	C		E	R	F	C	F	R	C	C				F	CR	C	R		
Granular		R	C	V			R	V	C		C								CR	R						E				CR	
Mod binders			C		F	C			C			F		C				C	F		C	C	F			F				CR	
LIC		R			F		R					R			R					R											
LLP			C			C					C			C							C	C									
NDT			C									E		C		E				C	E		C				F				
LTPP																															
Surface Treats Bit/poly stab												E																			
DISR		R	C			C	R		R	C			C			R				C	F	R							C	R	
Upgd of LVRs		R		C		C	R		C			R		CR		R	CR				R						CR		R	CR	
Roadbed prep																															
Waste materials		R	C			C			C		C		R	C	CR				C			C	C						C		CR
Subgrade soils			C	V		C	R		C			V	C	CR							CR		C				E	C			CR
Geosynthetics		E		V		E			C			E			CR												CR				CR
Unpaved roads			C			E			E																						
Side Slopes LW material Comp testing													V																		

Research focus areas



Structural Design

Materials

Func & Struct Performance

Construction

Rehab/Maint

Instrumentation

Ready for catalogue....?

Reports on structural design

Focus Areas	Gautrans	CoE-V	Florida	CoE-H	Fin/Swe	Caltrans	Total
Asphalt			6		2	24	32
Cemented layers						1	1
Concrete	2					29	31
Granular						13	13
Modified binders						5	5
Labour intensive concrete	15						15
Surface treatment						18	18
Bitumen/ ploymer						2	2
DISR	27					1	28
Upgrading of LVRs	6						6
Waste materials						2	2
Subgrade soils						7	7
Total	50		6		2	102	160

Conclusion and Recommendations

- Current HVSIA data inadequate to develop effective catalogue
- However, looks promising to continue with effort
- Need for improved HVSIA data management
- Upload all completed research reports on HVSIA matrix

So What???

- Keep trying – still looks possible
- Get a student