

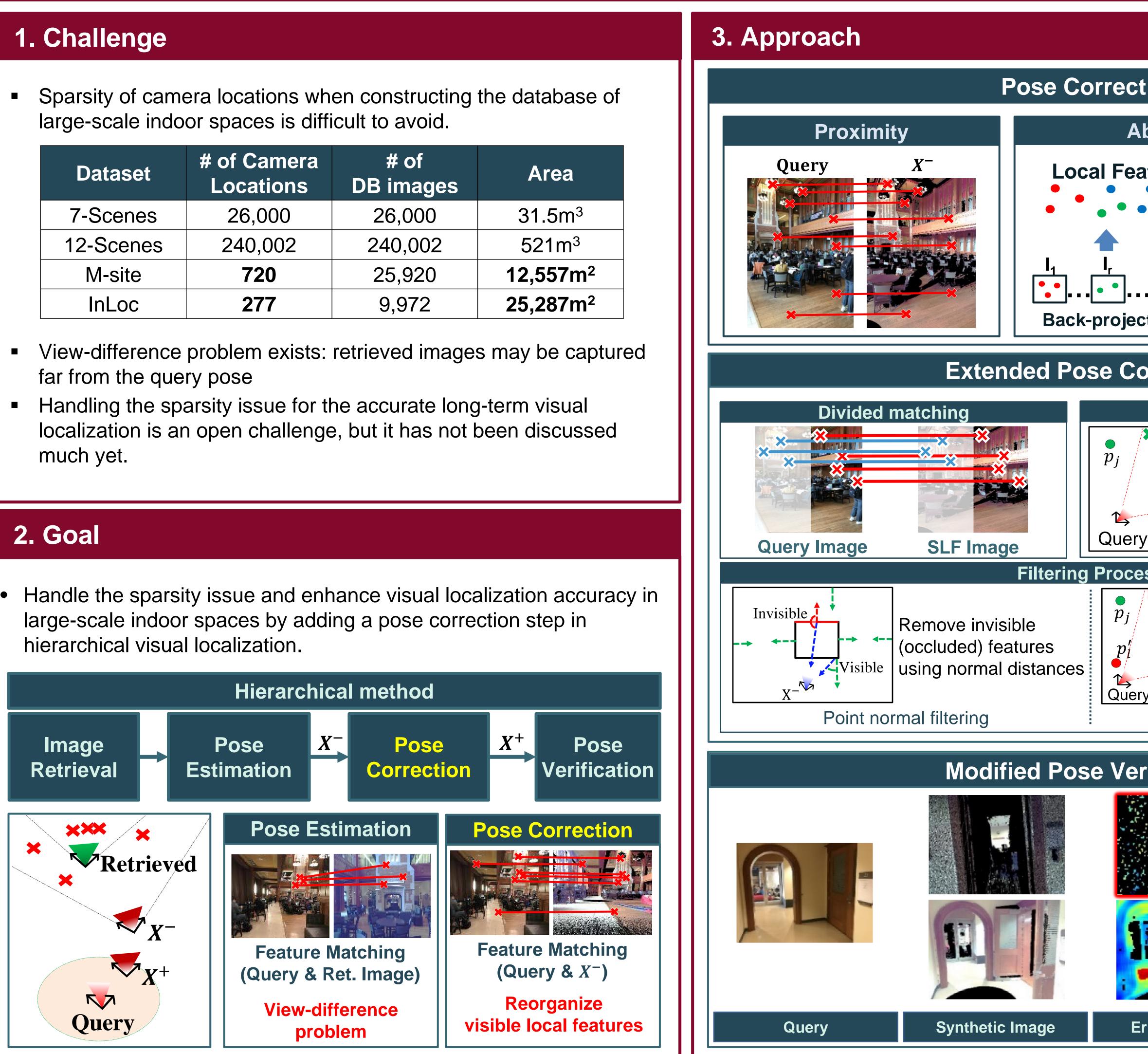
large-scale indoor spaces is difficult to avoid.

TEELABS

Dataset	# of Camera Locations	# of DB images	Are
7-Scenes	26,000	26,000	31.5r
12-Scenes	240,002	240,002	521n
M-site	720	25,920	12,557
InLoc	277	9,972	25,287

- far from the query pose
- much yet.

hierarchical visual localization.



Pose Correction for Highly Accurate Visual Localization in Large-scale Indoor Spaces

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	4. Experiment	tal Res	ult					
tion	 Evaluation Results for InLoc Dataset. 							
	Error		DUC1			DUC2		
bundance of Feature	(10°)	0.25m	0.5m	1.0 m	0.25m	0.5 m	1.0m	
ature Map F _i	InLoc	40.9	58.1	70.2	35.9	54.2	69.5	
Synthetic local	HfNet	39.9	55.6	67.2	37.4	57.3	70.2	
feature image	SuperGlue	46.5	65.7	77.8	51.9	72.5	79.4	
(SLF)	Baseline (3,000)	53.0	76.8	85.9	61.8	80.9	87.0	
	Ours (3,000)	59.6	78.3	89.4	71.0	93.1	93.9	
	Ours (4,096)	60.6	79.8	90.4	70.2	92.4	93.1	
ction Projection	 Evaluation of the 	Pose Co	prrection.					
orrection	Error				DUC2			
	(10°)	0.25m	0.5m	1.0m	0.25m	0.5m	1.0m	
Inter-pose matching	Baseline (10)	56.1	76.8	88.4	65.6	82.4	85.5	
	PC (10, 10)	58.1	76.8	89.4	67.2	90.1	92.4	
Feature matching using	PC (20, 10)	58.6	76.8	89.4	67.9	90.1	92.4	
more features (features p_k from p_i, p_j , and p_k)		Pose	Baseline	Pose			Pose	
Ty p_i		rrection	Dabointo	Correct	on Do		Correctior	
 Filtering visible features at virtual positions. Pose Correction using the closest virtual position. Virtual Local Feature Map 	Rendered View							
rification	5. Conclusion							
Image: Score : 0.0414Image: Score : 0.0414Image: Score : 0.0414Image: Score : 0.0404Image: Score : 0.0555Image: Score : 0.0402Image: Score : 0.0402Im	 First work to accorrection to recorrection to recorrection to recorrection. Propose extensionaccuracy. Propose modifiered accorrection. 	solve the ded pose ed pose the-art in	e problem correction verification the publi	n and ve on modul	erify impro e. mark dat	ovement		





