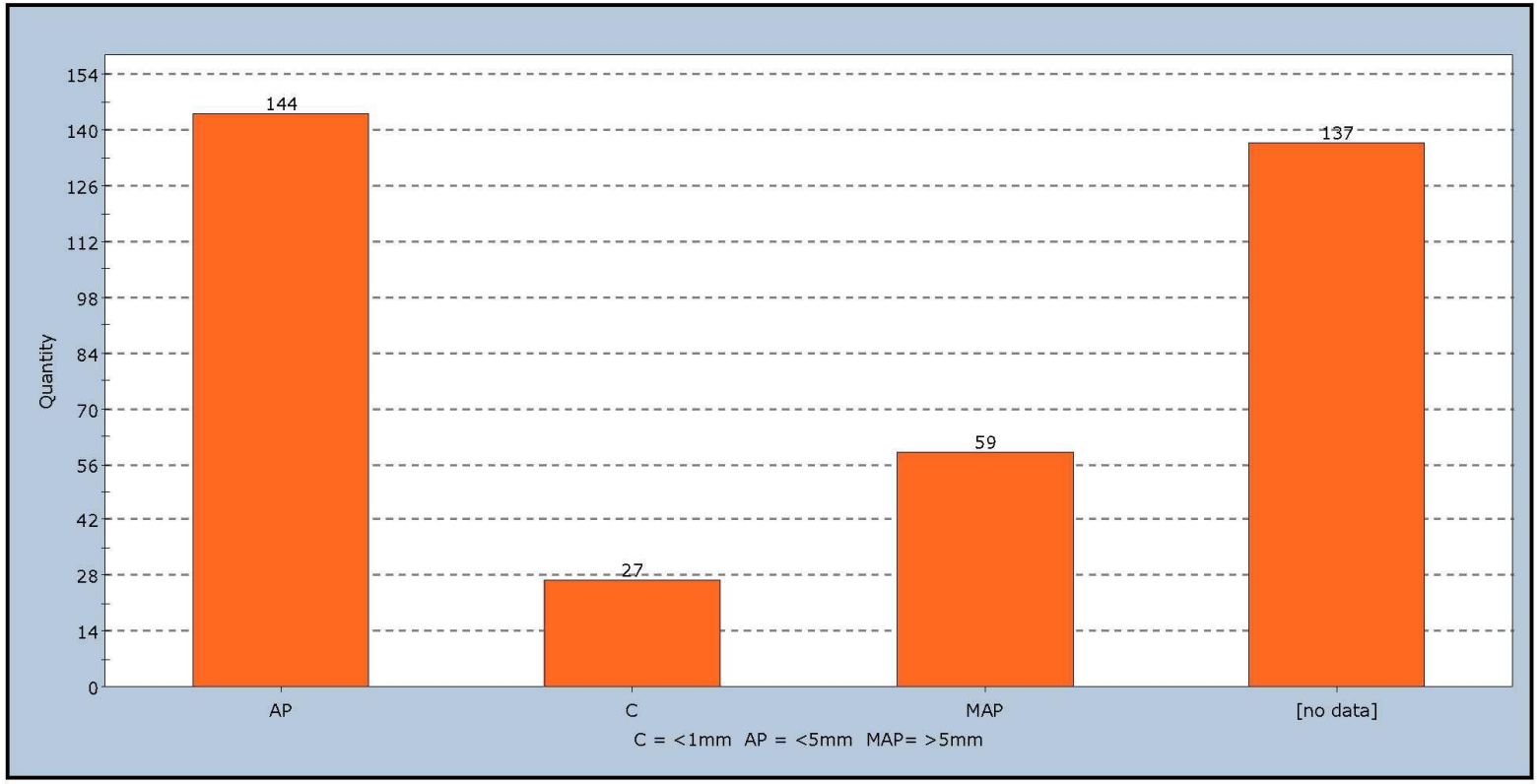
ALLEGATO G

STEREO PROIEZIONI DELLE DISCONTINUITÀ E ANALISI DI STABILITÀ CINEMATICA DELL'AMMASSO ROCCIOSO

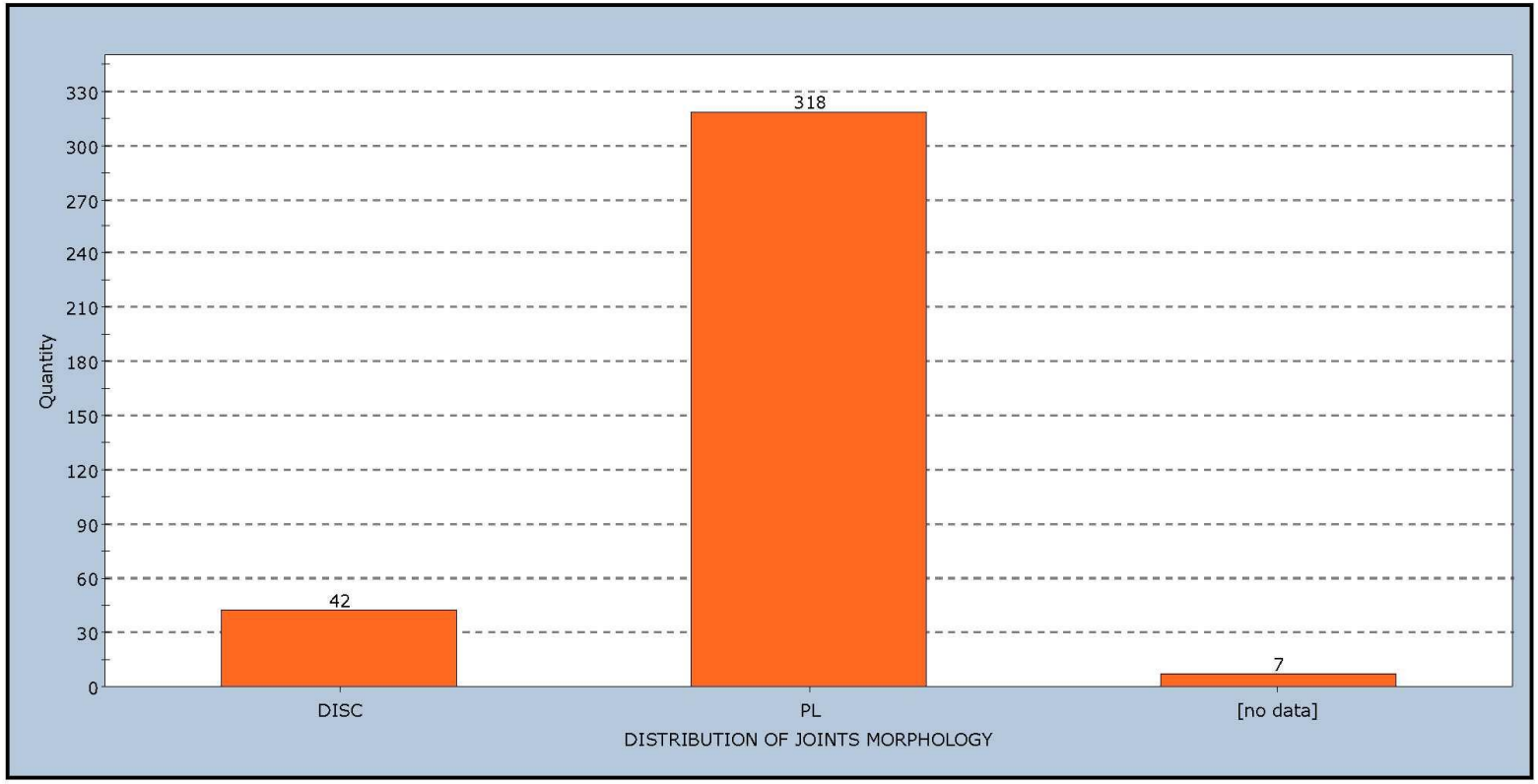
Qualitative Chart of APER



roscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 12:44:59	SML-BHTV-DATA-DP

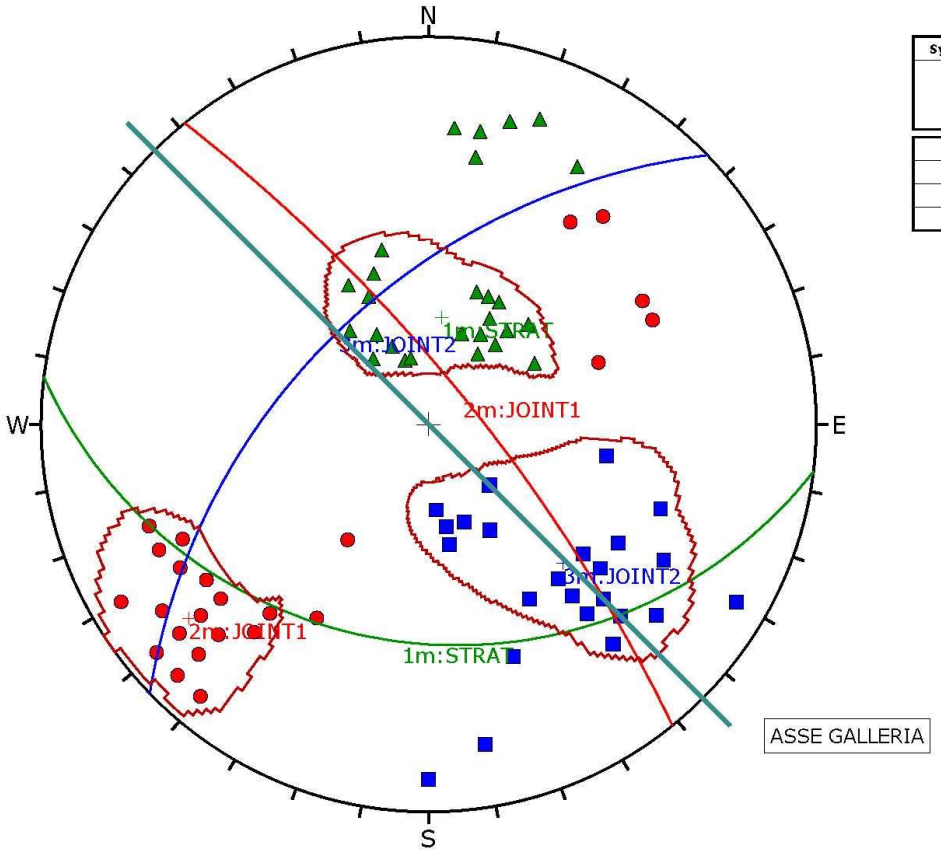
DIPS 6.017

Qualitative Chart of MORFO



rocscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 12:44:59	SML-BHTV-DATA-DP

DIPS 6.017

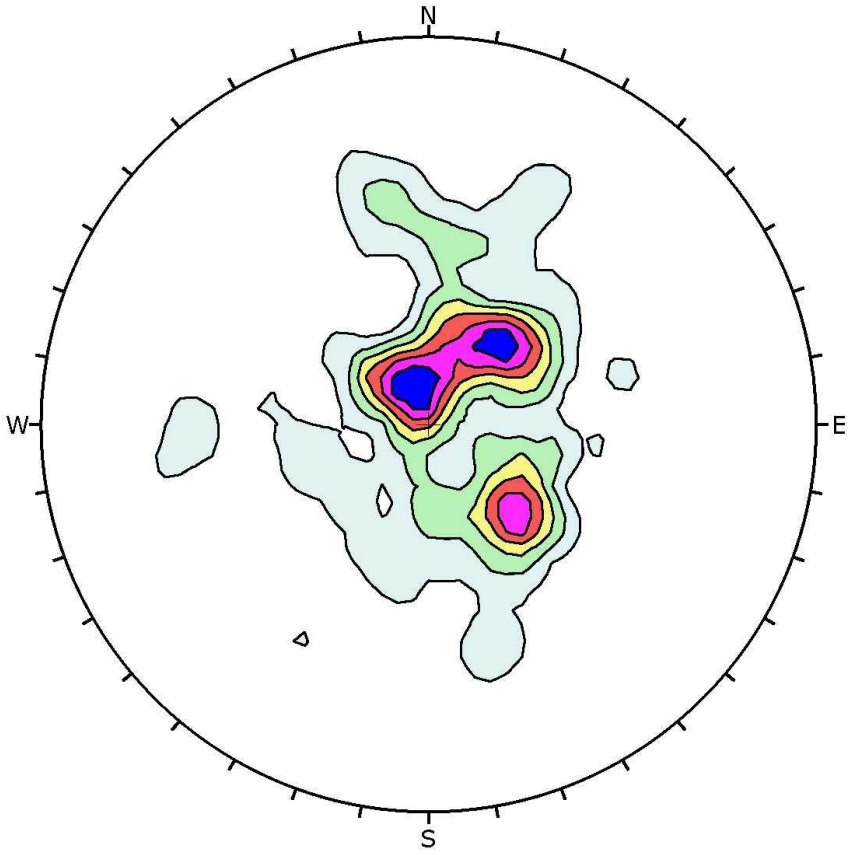


Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30

Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Hemisphere	Lower
Projection	Equal Angle

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-AF-AL-PP



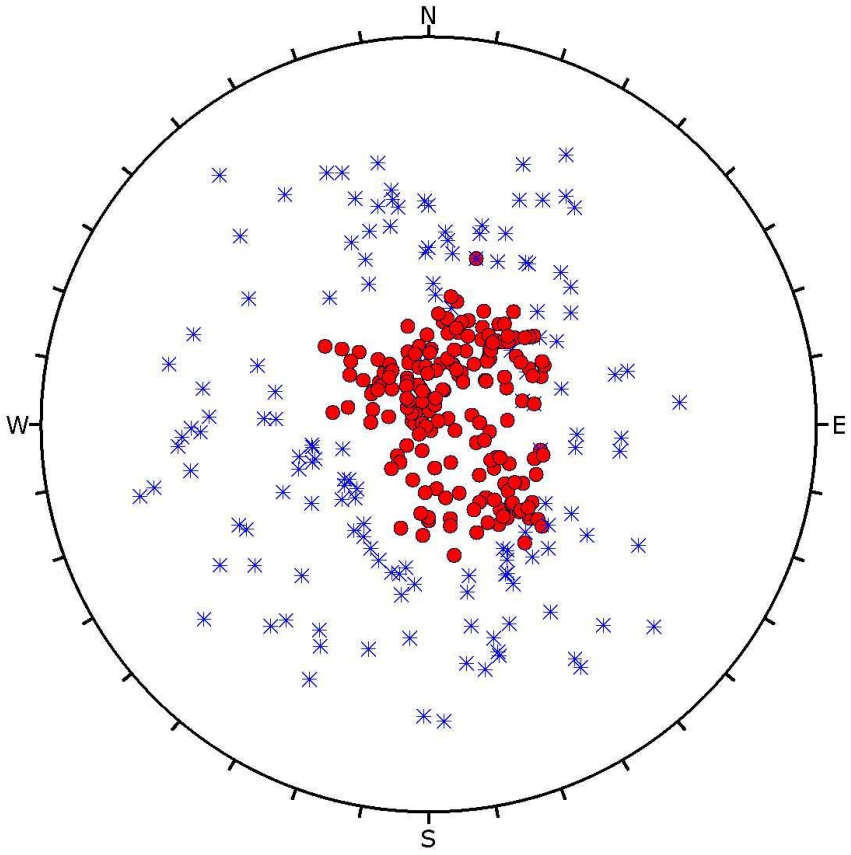
Color	Density Concentrations
	0.00 - 1.00
	1.00 - 2.00
	2.00 - 3.00
	3.00 - 4.00
	4.00 - 5.00
	5.00 - 6.00
	6.00 - 7.00

Maximum Density	6.83%
Contour Data	Pole Vectors
Contour Distribution	Fisher
Counting Circle Size	1.0%

Plot Mode	Pole Vectors
Vector Count	367 (367 Entries)
Hemisphere	Lower
Projection	Equal Angle

rocscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 12:44:59	SML-BHTV-DATA-DP

DIPS 6.017

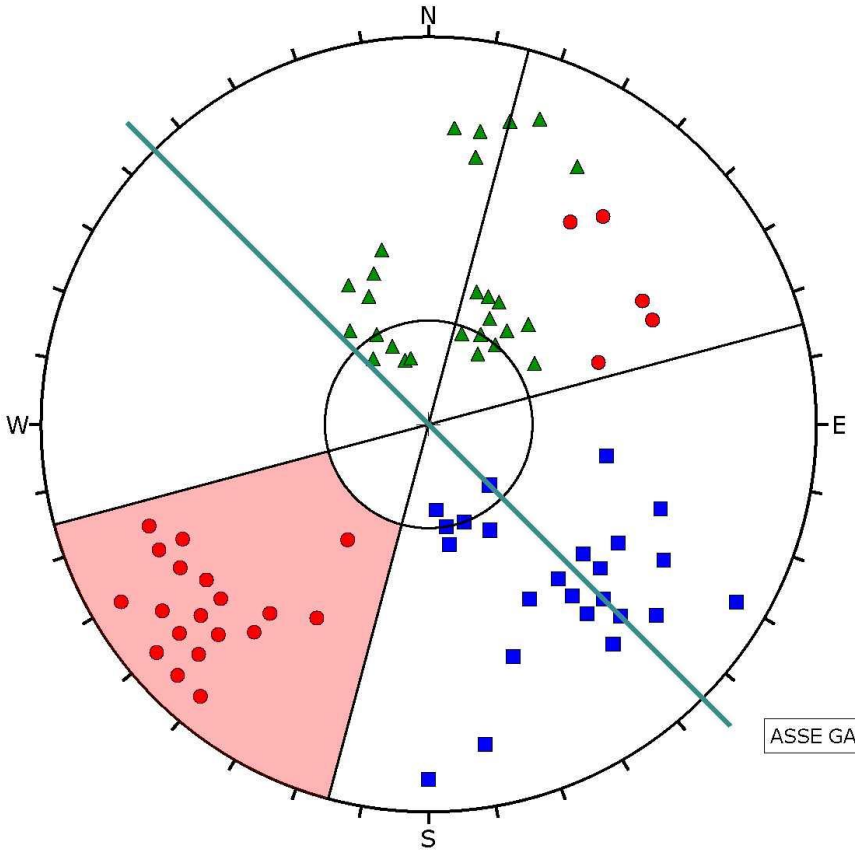


Symbol	TIPO	Quantity
●	B	207
✳	J	160

Plot Mode	Pole Vectors
Vector Count	367 (367 Entries)
Hemisphere	Lower
Projection	Equal Angle

rocscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 12:44:59	SML-BHTV-DATA-PP

DIPS 6.017



Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30

Kinematic Analysis	Planar Sliding
Slope Dip	90
Slope Dip Direction	45
Friction Angle	30°
Lateral Limits	30°

	Critical	Total	%
Planar Sliding (All)	25	87	28.74%
Planar Sliding (Set 2)	23	23	100.00%

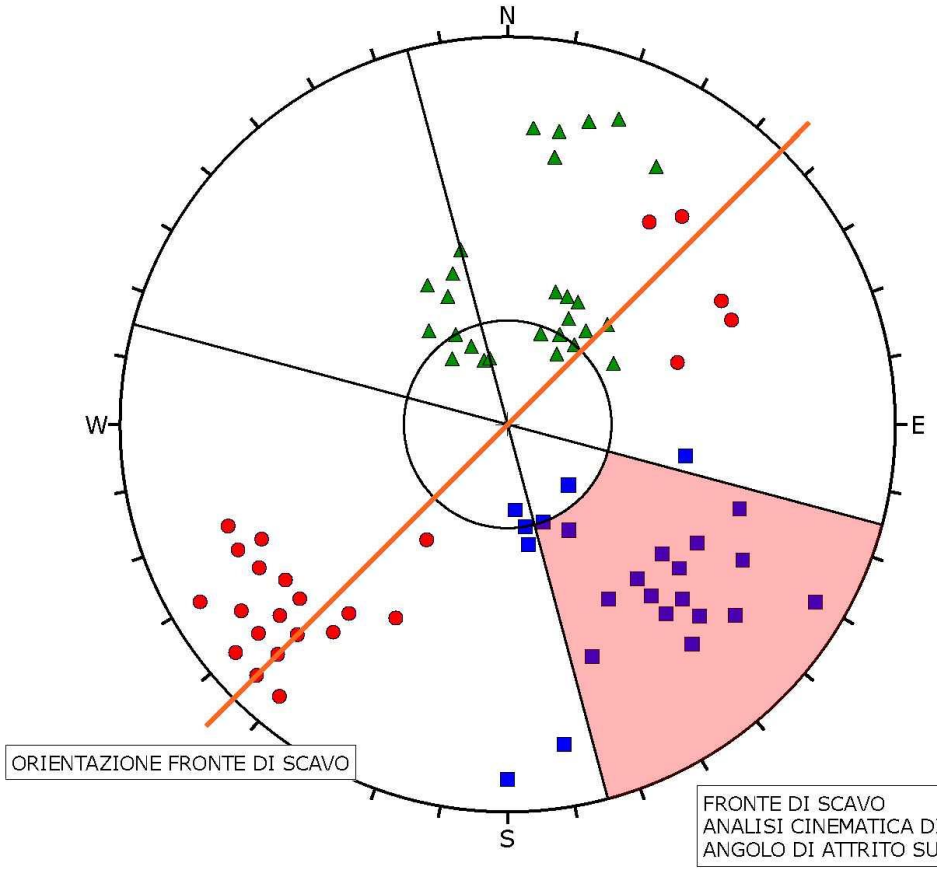
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Hemisphere	Lower
Projection	Equal Angle

ASSE GALLERIA

ANALISI CINEMATICA DI SCIVOLAMENTO SU DI UN PIANO
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO
90/45 LIMITI LATERALI +/-30°
ANGOLO DI ATTRITO SUL PIANO 30°

rocscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 20:15:40	SML-PLANE-SLID-NE

DIPS 6.017



ORIENTAZIONE FRONTE DI SCAVO

Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30

Kinematic Analysis	Planar Sliding
Slope Dip	90
Slope Dip Direction	315
Friction Angle	30°
Lateral Limits	30°

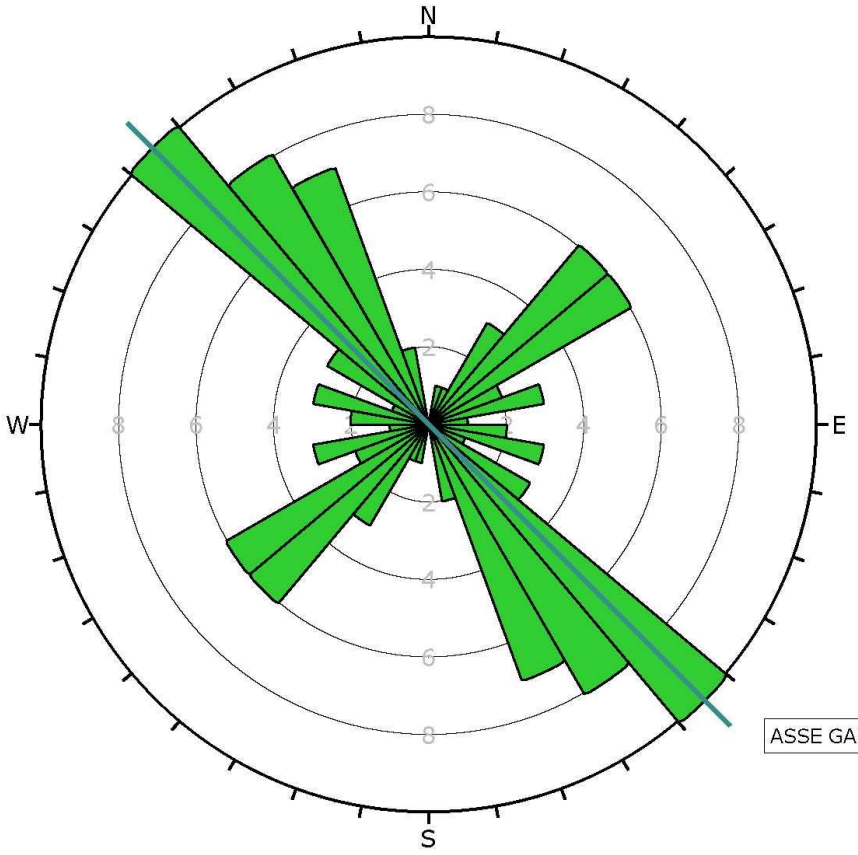
	Critical	Total	%
Planar Sliding (All)	20	87	22.99%
Planar Sliding (Set 3)	18	23	78.26%

Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Hemisphere	Lower
Projection	Equal Angle

FRONTE DI SCAVO
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN BLOCCO SU DI UN PIANO
ANGOLO DI ATTRITO SUL PIANO 30°

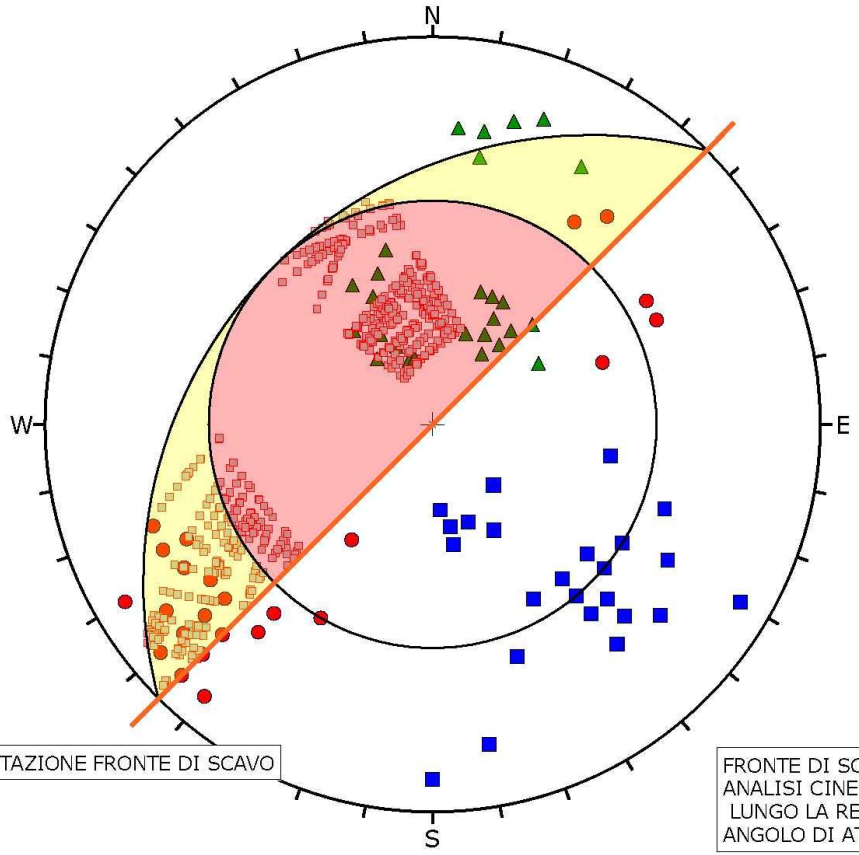
DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-PSLIDE-FRONTE



Plot Mode	Rosette
Plot Data	Apparent Strike
Face Normal Trend	0.0
Face Normal Plunge	90.0
Bin Size	10°
Outer Circle	10 planes per arc
Planes Plotted	59
Minimum Angle To Plot	45.0°
Maximum Angle To Plot	90.0°

rocscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
DIPS 6.017	*Date* 08/04/2016, 20:15:40	SML-ROSETTE PLOT



Symbol	TIPO	Quantity
	J1	30
	J2	27
	strat	30
Symbol	**Feature**	
	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	315
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	749	1633	45.87%

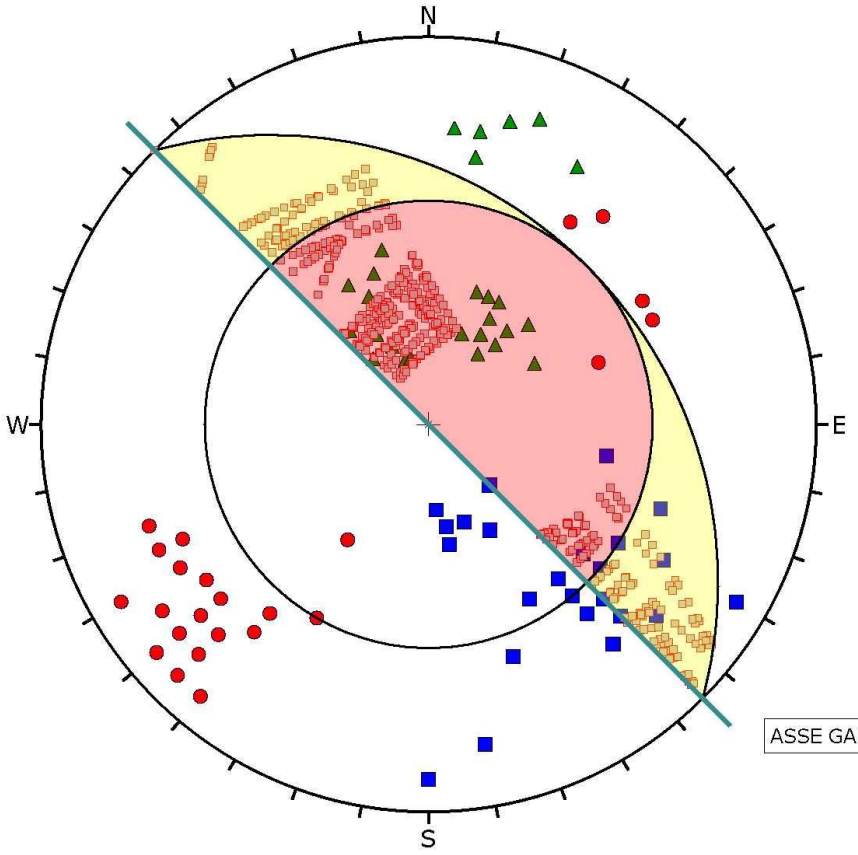
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	All Set Planes
Intersections Count	1633
Hemisphere	Lower
Projection	Equal Angle

ORIENTAZIONE FRONTE DI SCAVO

FRONTE DI SCAVO
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO
LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - TUTTI I SET
ANGOLO DI ATTRITO SUL PIANO 30°

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WSLIDE-FRONTE



Symbol	TIPO	Quantity
	J1	30
	J2	27
	strat	30
Symbol	**Feature**	
	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	45
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	785	1633	48.07%

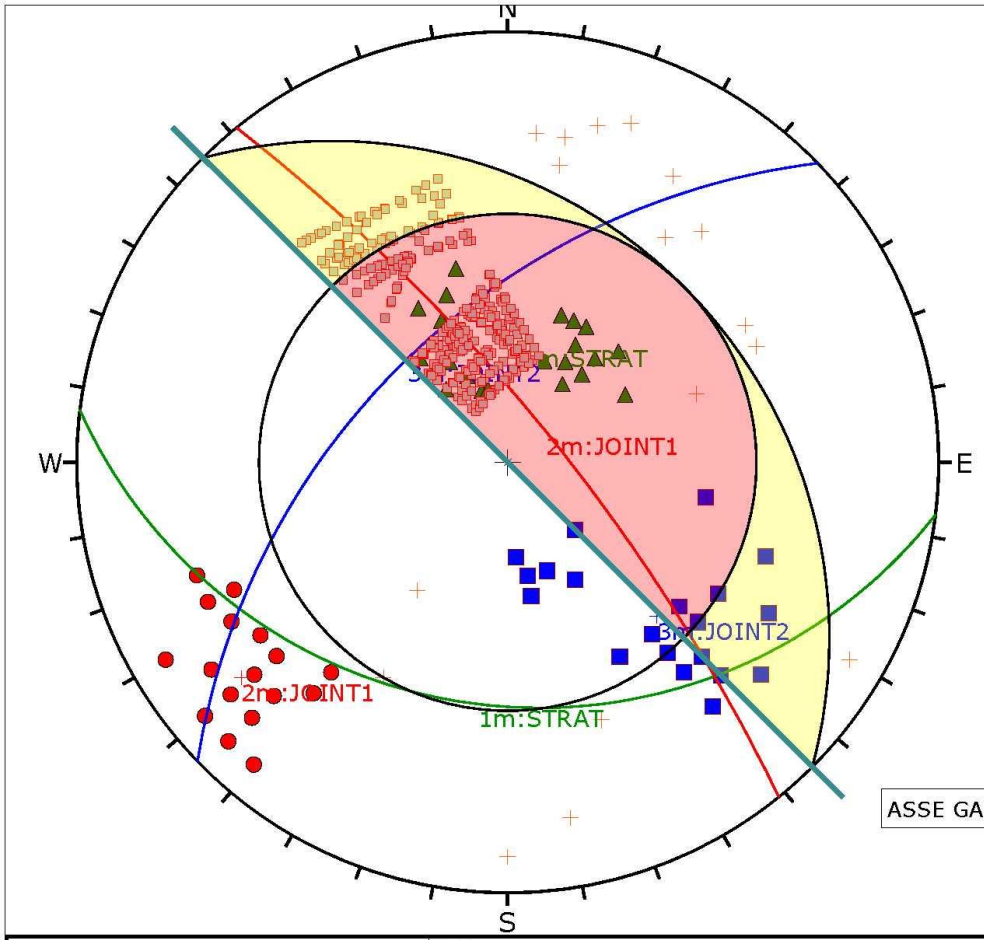
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	All Set Planes
Intersections Count	1633
Hemisphere	Lower
Projection	Equal Angle

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUNGO L
RETTA INTERSEZIONE DI DUE PIANI - TUTTI I PIANI
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO
90/45
ANGOLO DI ATTRITO SUL PIANO 30°

ASSE GALLERIA

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WEDGE-SLID-NE



Symbol	Set	Quantity
▲	1	24
●	2	23
■	3	23
+	[no data]	17
Symbol	**Feature**	
▫	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	45
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	515	529	97.35%

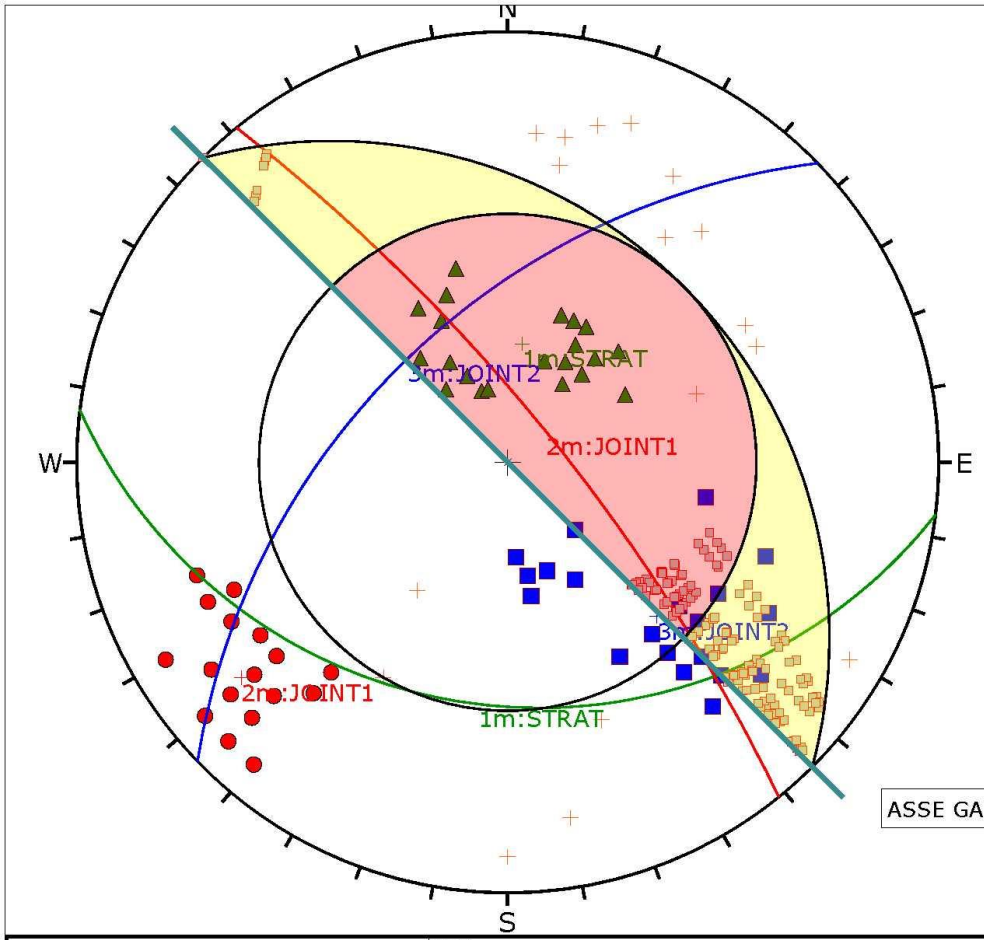
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 2 vs Set 3 Planes
Intersections Count	529
Hemisphere	Lower
Projection	Equal Angle

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUN
RETTA INTERSEZIONE DI DUE PIANI - J1-J2
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO
90/45
ANGOLO DI ATTRITO SUL PIANO 30°

ASSE GALLERIA

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WEDGE-SLID-NE-J1-J2



Symbol	Set	Quantity
▲	1	24
●	2	23
■	3	23
+	[no data]	17
Symbol	**Feature**	
▫	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	45
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	270	552	48.91%

Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 1 vs Set 2 Planes
Intersections Count	552
Hemisphere	Lower
Projection	Equal Angle

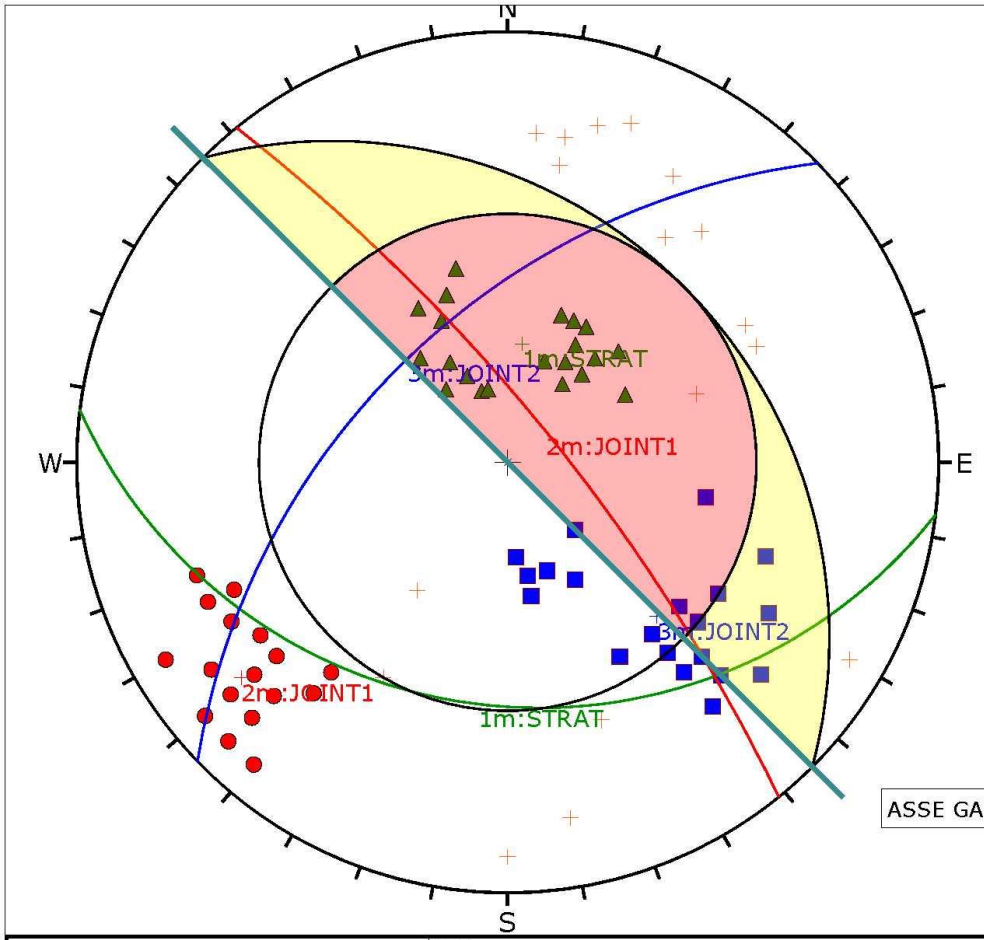
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUN
RETTA INTERSEZIONE DI DUE PIANI - STRAT-J1
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO
90/45
ANGOLO DI ATTRITO SUL PIANO 30°

ASSE GALLERIA

rocscience

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WEDGE-SLID-NE-STRAT-J1



Symbol	Set	Quantity
▲	1	24
●	2	23
■	3	23
+	[no data]	17
Symbol	**Feature**	
▫	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	45
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	0	552	0.00%

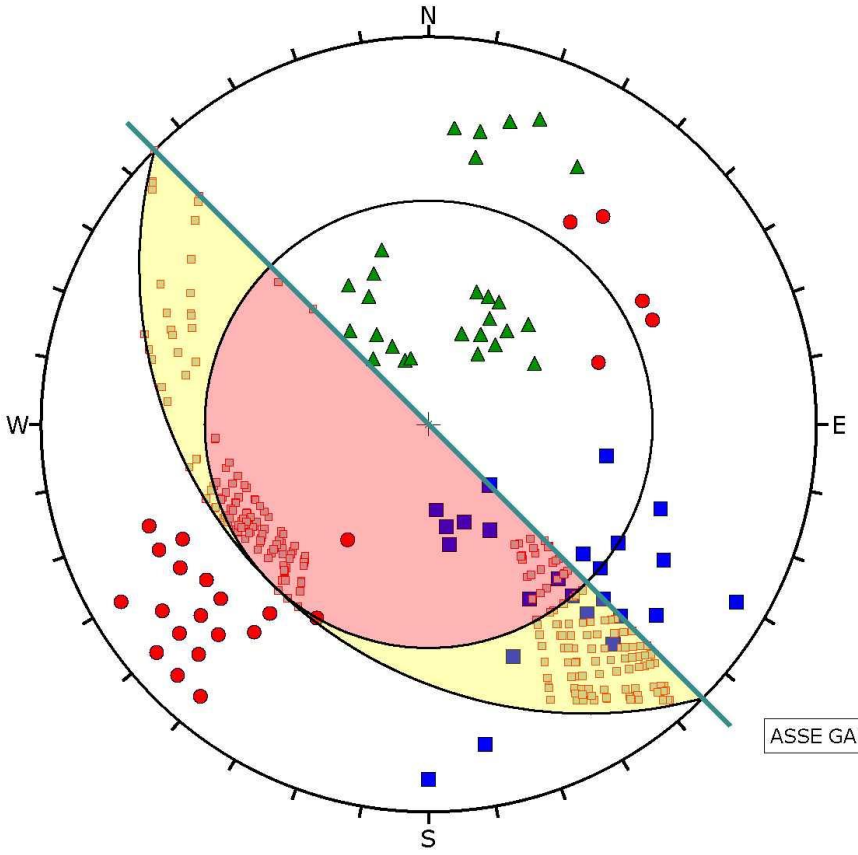
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 1 vs Set 3 Planes
Intersections Count	552
Hemisphere	Lower
Projection	Equal Angle

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUN
RETTA INTERSEZIONE DI DUE PIANI - STRAT-J2
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO
90/45
ANGOLO DI ATTRITO SUL PIANO 30°

ASSE GALLERIA

rocscience	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 20:15:40	SML-WEDGE-SLID-NE-STRAT-J2

DIPS 6.017



Symbol	TIPO	Quantity
	J1	30
	J2	27
	strat	30
Symbol	**Feature**	
	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	225
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	374	1633	22.90%

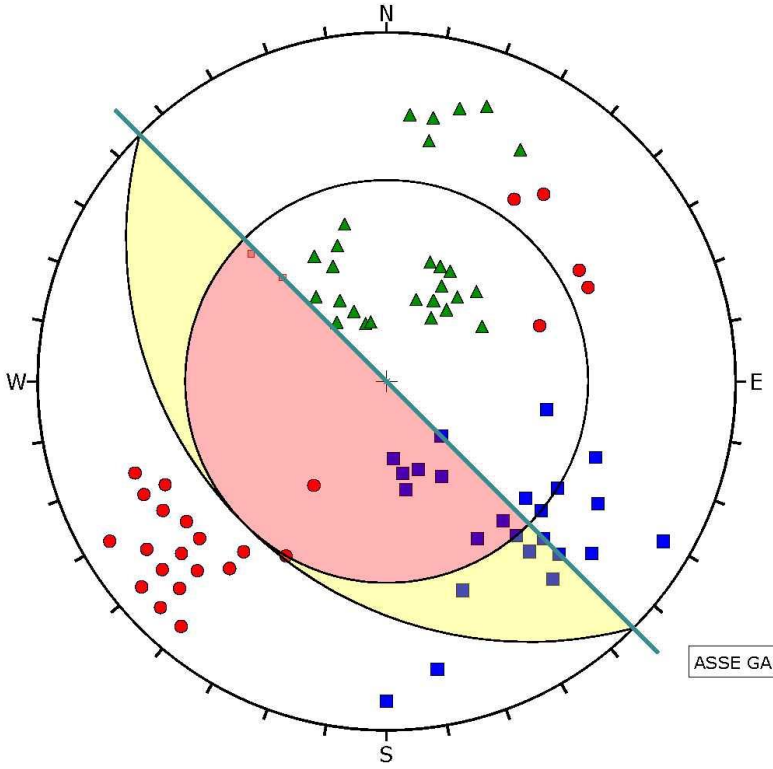
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	All Set Planes
Intersections Count	1633
Hemisphere	Lower
Projection	Equal Angle

ASSE GALLERIA

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUNGO L
RETTA INTERSEZIONE DI DUE PIANI - TUTTI I PIANI
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO
90/225
ANGOLO DI ATTRITO SUL PIANO 30°

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WEDGE-SLID-SW



Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30
Symbol	**Feature**	
▫	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	225
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	4	529	0.76%

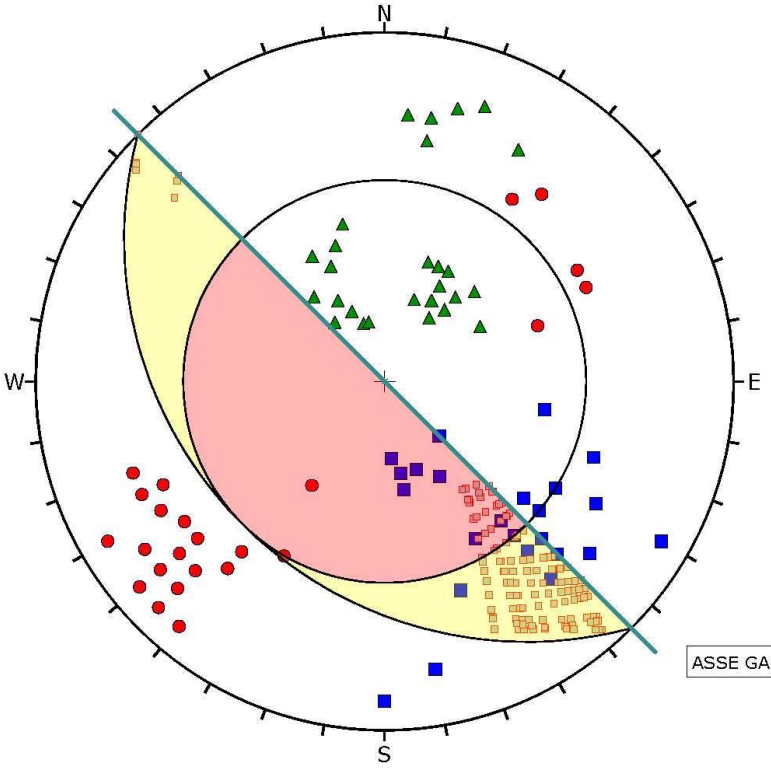
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 2 vs Set 3 Planes
Intersections Count	529
Hemisphere	Lower
Projection	Equal Angle

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - J1-J2
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO 90/225
ANGOLO DI ATTRITO SUL PIANO 30°

ASSE GALLERIA

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WEDGE-SLID-SW-J1-J2



ASSE GALLERIA

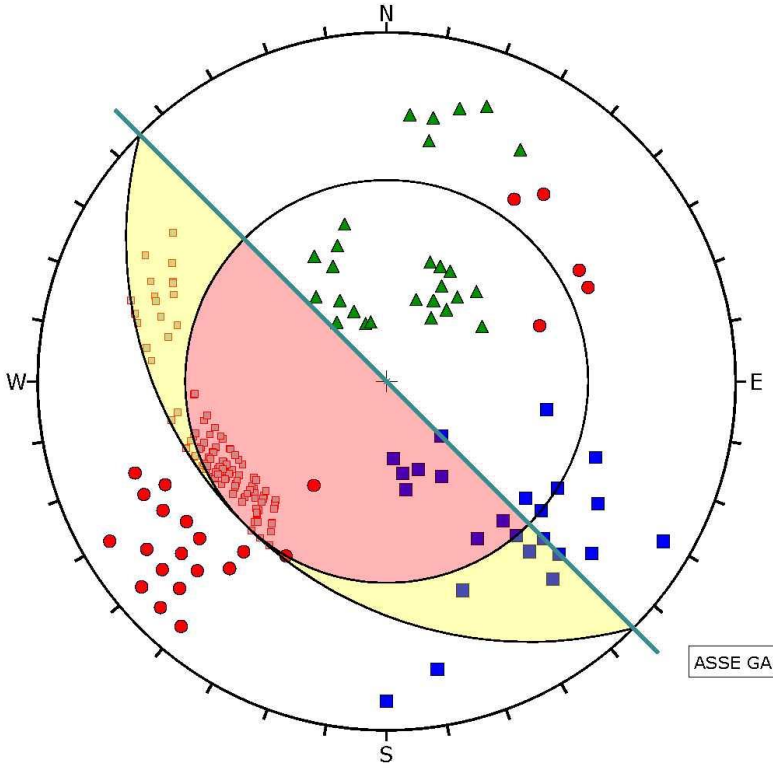
Symbol	TIPO	Quantity
	J1	30
	J2	27
	strat	30
Symbol	**Feature**	
	Critical Intersection	

Kinematic Analysis	Wedge Sliding		
Slope Dip	90		
Slope Dip Direction	225		
Friction Angle	30°		
	Critical	**Total**	**%**
Wedge Sliding	196	552	35.51%

Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 1 vs Set 2 Planes
Intersections Count	552
Hemisphere	Lower
Projection	Equal Angle

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - STRAT-J1
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO 90/225
ANGOLO DI ATTRITO SUL PIANO 30°

DIPS 6.017	*Project*	
	Analysis Description	
	Drawn By	*Company*
	Date 08/04/2016, 20:15:40	SML-WEDGE-SLID-SW-STRAT-J1



Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30
Symbol	**Feature**	
▫	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	225
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	174	552	31.52%

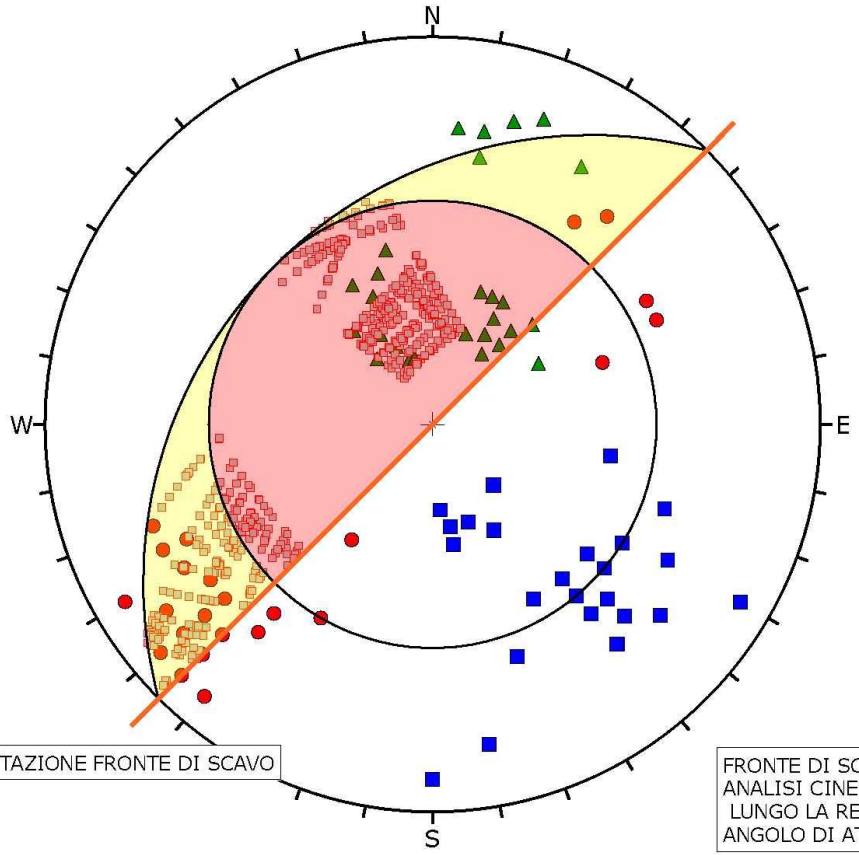
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 1 vs Set 3 Planes
Intersections Count	552
Hemisphere	Lower
Projection	Equal Angle

ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - STRAT-J2
INCLINAZIONE E DIREZIONE DI IMMERSIONE DELLO SCAVO 90/225
ANGOLO DI ATTRITO SUL PIANO 30°

ASSE GALLERIA

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WEDGE-SLID-SW-STRAT-J2



Symbol	TIPO	Quantity
	J1	30
	J2	27
	strat	30
Symbol	**Feature**	
	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	315
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	749	1633	45.87%

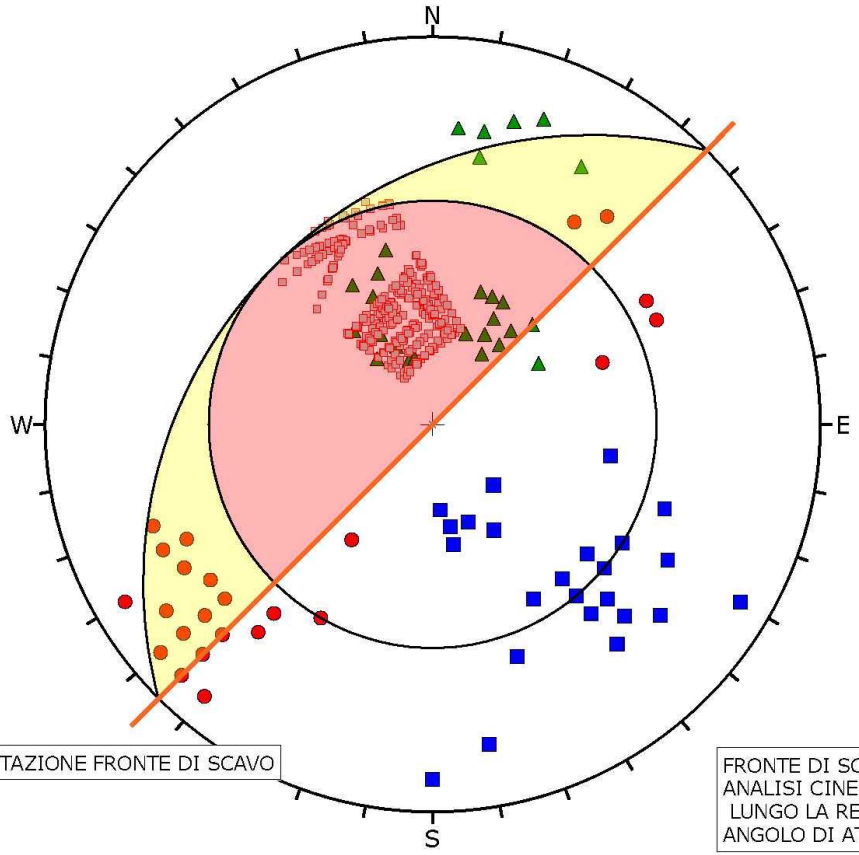
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	All Set Planes
Intersections Count	1633
Hemisphere	Lower
Projection	Equal Angle

ORIENTAZIONE FRONTE DI SCAVO

FRONTE DI SCAVO
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO
LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - TUTTI I SET
ANGOLO DI ATTRITO SUL PIANO 30°

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WSLIDE-FRONTE



Symbol	TIPO	Quantity
	J1	30
	J2	27
	strat	30
Symbol	**Feature**	
	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	315
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	452	529	85.44%

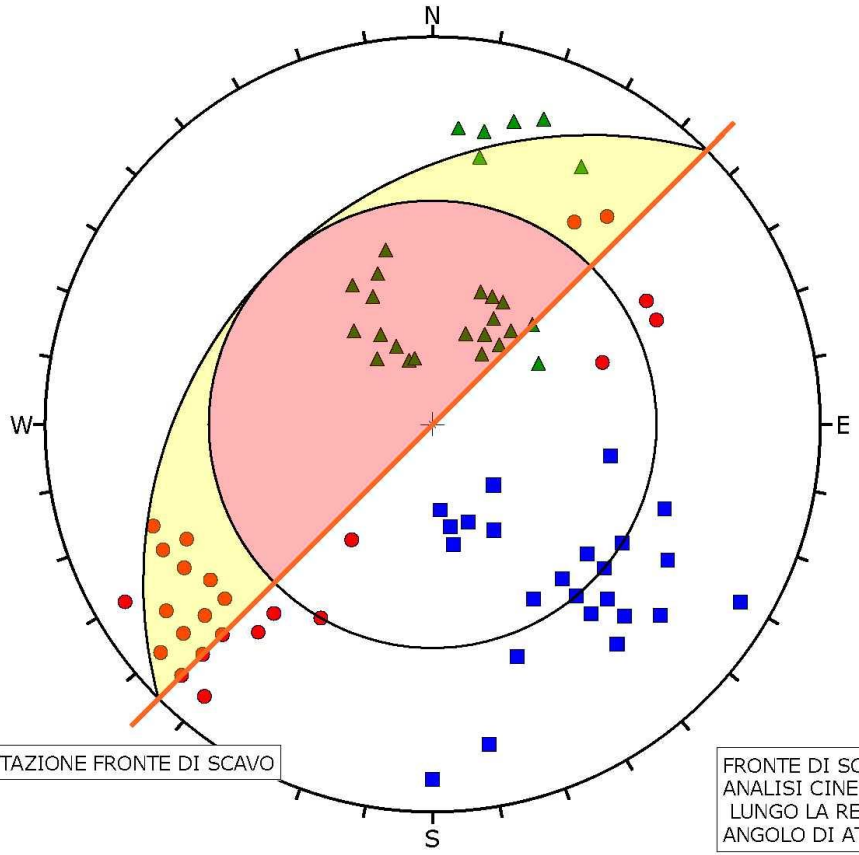
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 2 vs Set 3 Planes
Intersections Count	529
Hemisphere	Lower
Projection	Equal Angle

ORIENTAZIONE FRONTE DI SCAVO

FRONTE DI SCAVO
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO
LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - J1-J2
ANGOLO DI ATTRITO SUL PIANO 30°

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WSLIDE-FRONTE



Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30
Symbol	**Feature**	
▭	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	315
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	0	552	0.00%

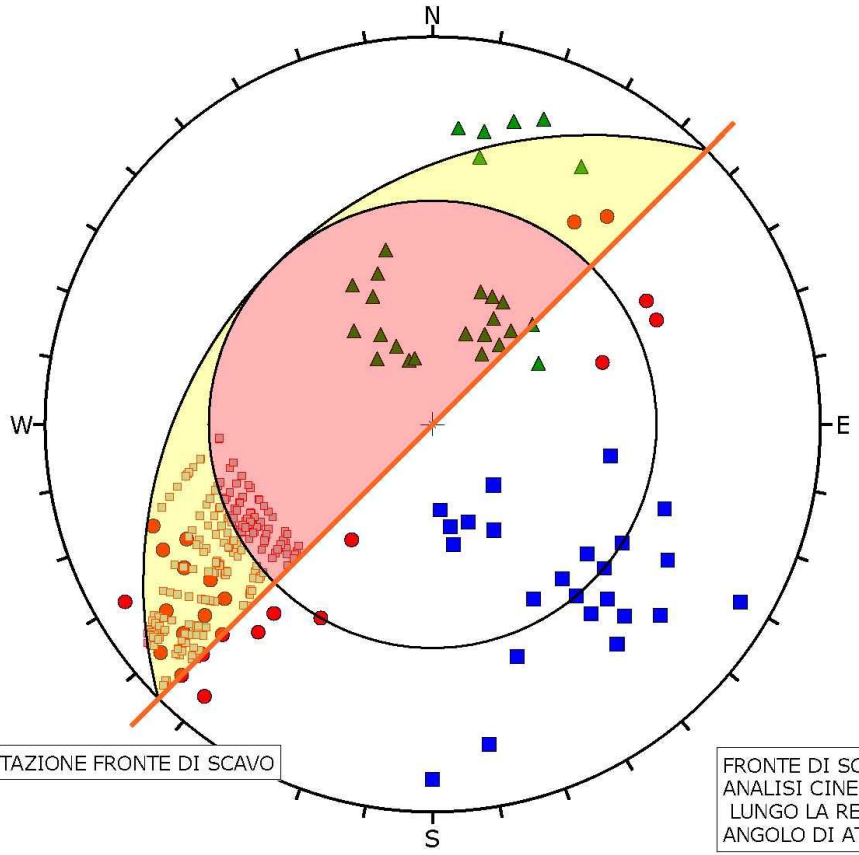
Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 1 vs Set 2 Planes
Intersections Count	552
Hemisphere	Lower
Projection	Equal Angle

ORIENTAZIONE FRONTE DI SCAVO

FRONTE DI SCAVO
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO
LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - S-J1
ANGOLO DI ATTRITO SUL PIANO 30°

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
Date	08/04/2016, 20:15:40	SML-WSLIDE-FRONTE



ORIENTAZIONE FRONTE DI SCAVO

Symbol	TIPO	Quantity
●	J1	30
■	J2	27
▲	strat	30
Symbol	**Feature**	
▭	Critical Intersection	

Kinematic Analysis	Wedge Sliding
Slope Dip	90
Slope Dip Direction	315
Friction Angle	30°

	Critical	Total	%
Wedge Sliding	297	552	53.80%

Plot Mode	Pole Vectors
Vector Count	87 (87 Entries)
Intersection Mode	Set 1 vs Set 3 Planes
Intersections Count	552
Hemisphere	Lower
Projection	Equal Angle

FRONTE DI SCAVO
ANALISI CINEMATICA DI SCIVOLAMENTO DI UN CUNEO
LUNGO LA RETTA INTERSEZIONE DI DUE PIANI - S-J2
ANGOLO DI ATTRITO SUL PIANO 30°

rocscience

DIPS 6.017

Project		
Analysis Description		
Drawn By		*Company*
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